Volume 166 No. 20

Oil, Paint and Drug Reporter

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November 15 1954

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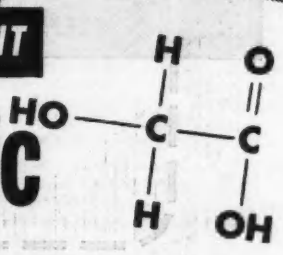

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Oil, Paint and Drug Reporter

Volume 166 No. 20 — 30 Church Street, New York 7, N. Y. — November 15, 1954

FTC States Its Trade Rules Position Bluntly

Industry was warned last week by chairman Edward F. Howrey of the Federal Trade Commission to give more than "lip service" to self-imposed rules of fair trade practice, or face the consequences of commission action.

Addressing the annual meeting of the American Trade Association Executives at the Statler hotel in Los Angeles November 10, Mr. Howrey noted that competition has become more vigorous to the point where the consumer must be given more for his dollar. The postwar sellers' market that could wink at inefficiency and make a fortune on a shoe-string has about come to an end, he added.

With such a speed-up in the competitive game, the rules of fair play become increasingly important, he said. The pressure will be on to cut corners—to take advantage of every means to cut costs and increase business volume. The temptation will exist to take advantage of competitors, and there always will be a few who will try.

Importance of FTC Stressed

Mr. Howrey pointed out that this situation makes FTC one of the most important agencies of the government to interpret and enforce the rules of fair competition. With its staff of only 600, however, he added it cannot do a simple job of policing to achieve maximum compliance. Its greatest good can be accomplished by guidance.

"That is why we have concentrated on preventive law to the maximum extent possible," he explained. "We are developing in cooperation with industry, good and understandable rules, and our interpretations are being put in language any businessman can understand. As a result, we are encouraging a faster and better competitive game both for business and consumers.

"It is this objective—to interfere as little as possible yet accomplish the congressional objective of assuring fair competition—that has led to two principle short cuts. One of these is to encourage business to adopt and abide by its own trade practice rules and to assure that these

—*Continued on page 78*

Ammunition Shipment Rules Detailed in 'Federal Register'

Uniform requirements governing the shipment of ammunition and explosives by motor vehicles and the safety inspection of motor vehicles used for such transportation were published in the *Federal Register* November 9 by the Department of Defense.

The requirements are applicable to military departments only and apply to shipments of glass A and B ammunition and explosives by military and commercial motor vehicles forwarded and received by them within the continental United States.

Aluminum Allotments Raised By ODM for '55 1st Quarter

Allotments of aluminum for "A" products during the first quarter of 1955 have been increased 10 percent over fourth quarter, 1954, while steel allotments have been reduced 8 percent and copper allotments 2 percent. The allotments for the first quarter, which were announced by the Office of Defense Mobilization, were:—Aluminum, 117,485,000 pounds; copper and copper base alloys, 70,492,000 pounds; and steel, 601,323 short tons.

The increased aluminum requirements do not signify an increased military program, ODM explained. Even with a level total production schedule, materials consumption will vary from quarter to quarter reflecting such things as inventory levels and changes in materials specification and model revisions.

The allotments for "A" products represent purchase authority to prime contractors and producers of specially designed military equipment for the three metals at the mill level. The total quantities of steel, copper and aluminum to be set aside at the mill level will include additional amounts required by manufacturers of civilian type items incorporated in military items. These are the so-called "B" products which are carried on the official class "B" products list of the Business and Defense Services Administration.

Meanwhile, the Business and Defense Services Administration announced that additional allotments of aluminum will be set aside from the total supply available in the first quarter to fill Department of Defense and Atomic Energy Commission orders. A total of 140,000,000 pounds is to be reserved for these programs, which includes the quantities necessary to meet defense rated "B" products, foil, and ingot for powder.

This reserve is 13,000,000 pounds greater than the amount set aside for similar

—*Continued on page 78*

Oil, Gas Submerged Lands Offered for Federal Leases

The government was offered $23,357,029 for leases on nineteen tracts of submerged oil and gas lands of the outer continental shelf off the coast of Texas at a competitive bid opening November 9, held by the Bureau of Land Management.

A total of ninety bids were received in the offering of thirty-eight tracts amounting to 111,788 acres which had been nominated for sale by the oil and gas industry at the invitation of the department. This was the second offering of the shelf lands made by the department for oil and gas leasing. The first offering involved lands off the Louisiana coast on which bids were opened last month.

The "bonus" prices offered for the right to develop the submerged lands ranged from a low of $16.30 per acre to a high of $2,209 an acre. This was the highest ever offered either the federal government or the states for an oil or gas lease.

GATT Changes Put Under Heavy Fire as 'Repugnant' to US System

Changes in the General Agreement on Tariffs and Trade, now under study by the contracting parties in Geneva, were attacked last week as "repugnant to our system of government" by O. R. Strackbein, chairman of the Nation-Wide Committee of Industry, Agriculture and Labor on Import-Export Policy.

Mr. Strackbein recommended that the changes, which would limit congress in legislating tariffs or regulating foreign commerce, be flatly rejected by the President and by congress. The occasion for Mr. Strackbein's blast was the start of sessions at Geneva, November 8, by the delegates of thirty-four member nations to rewrite the textual provisions of GATT.

Mr. Strackbein noted that it is the intention of the Eisenhower administration to submit certain parts of the articles of the agreement to congress as they might be revised by the negotiators. He said that this in itself involves a broad assumption about what congress may properly ratify. For example, GATT, among other things, places a general ban on import quotas. Then it makes certain exceptions in a number of succeeding provisions most of which do not apply to the United States.

State Department Attacked

"However, the point is," Mr. Strackbein continued, "that in agreeing to the outlawry of import quotas and certain other provisions involving the regulation of our foreign trade, the State department obviously agreed to something that lay completely beyond the power of any executive department. Import quotas are regulative measures applied to import trade and their imposition, modification or non-imposition lies wholly within the powers of congress.

"Even if that and similar powers are delegated under prescribed rules such delegation cannot possibly extend to the abolition of the quota or other regulatory measures.

"Every congress has the incontestable right to amend or repeal any previous act of the same body, including any delegation of power. Otherwise we might as well abolish elections. Changes in popular sentiment would be without an outlet and would be meaningless.

"Already this country has bowed to a binding of concessions negotiated under GATT in 1947. That such bindings lie outside the power of the executive branch of the government should be obvious to anyone who knows that congress is made responsible under the constitution for the regulation of our foreign commerce as well as the laying of import duties (i.e., the tariff).

Violation of Constitution Charged

"The practice of agreeing to such bindings by the State department is not only in violation of the constitution but it is a highly pernicious practice in the field of international relations. Frequently it causes misunderstanding and bitterness. It would be far better if that department explained to other countries its own subordination to congress in the field of tariffs and trade. Then the inevitable embarrassment that arises when congress asserts its rights and responsibility in contradiction of State Department assurances to other countries would disappear. The United States Congress would not be made to appear as a body of irresponsible, unstable and 'willful" men. Uncle Sam could not be described as one who runs out on his agreements as has been done as a result of escape clause actions.

"The position taken by the American delegation at Geneva with respect to powers that belong to congress will bear watching. Far-reaching commitments are at stake."

Alcohol Transfer Regulations Clarified by Revenue Service

In response to inquiries whether tank-cars used exclusively for the transfer of alcohol in bond must have route boards attached thereto, the Internal Revenue Service last week issued the following ruling:—

Section 182.511 (b) of regulations 3 provides in part that railroad tank cars used for the transportation of alcohol, whether in bond, tax-free, or tax-paid, must be equipped with a route board to which the prescribed stamp or certificate can be attached.

Regulations 3, prior to amendment by treasury decision 5538, C. B. 1946-2, 208, required that an industrial alcohol transfer stamp be attached to each container of alcohol transferred in bond from one bonded warehouse to another such warehouse, or to a denaturing plant not on the same premises with the bonded warehouse. However, since pursuant to such treasury decision transfer stamps are no longer required in connection with transfers of alcohol in bond, there is now no need for having route boards on railroad tank cars used for the transfer of alcohol in bond.

Accordingly, a railroad tank car used exclusively for the transportation of alcohol in bond need not be equipped with a route board. However, in the event any such railroad tank car is diverted to use for transporting tax-paid or tax-free alcohol, exclusively or alternately, it must first be equipped with a route board as provided in section 182.511 (b) of regulations 3.

Warren Petroleum Denies Pricing Allegations of FTC

Warren Petroleum Corporation, Tulsa, Okla., has entered a denial to Federal Trade Commission charges (OPD, 8/9/54) that its pricing practices in the sale of liquefied petroleum gas are unlawful.

In answer to the first count of the commission's complaint, which charges price discriminations violating the Clayton act as amended by the Robinson-Patman act, the company defended the challenged discounts as functional discounts to wholesalers. It denied the charge that these were "special discounts" to "customers who in effect were operating wholesale other retailers."

The company also denied that Butane Wholesale Gas Company sells LP-gas to wholly-owned retail companies or that it has any such outlets. The company admitted that Butane Wholesale owns stock in corporations with retail outlets but maintained that it charges the same prices to affiliated companies as to any other retailers in the same locality.

In this connection, the company agreed that it sells substantial amounts of LP-gas to the Butane Wholesale which is then sold, for resale at retail, to its subsidiaries, to subsidiaries of Harris Distributors, Inc., and Butane Gas Company and to companies in which they own stock. Commenting on the complaint's statement that Warren owns the controlling interest in these three companies, Warren denied, however, that the majority of the gas sold to Butane Wholesale Company is resold to these subsidiaries.

Antibiotic Rules Amended

A number of amendments were made recently by the Food and Drug Administration to its regulations relating to antibiotic drug products. The amendments pertained to tests and methods of assay for chloramphenicol tablets and to the certification of certain penicillin, streptomycin, and chloramphenicol products.

Monsanto President to Head Oil Study on Pacific Coast

Charles A. Thomas, president of Monsanto Chemical Company, St. Louis, Mo., has been named chairman of a three-man committee set up to evaluate the adequacy of petroleum supply in the west coast are during a period of defense emergency, it was announced last week by Arthur S. Flemming, Director of Defense Mobilization.

Other members are Charles S. Cheston of Philadelphia and Palmer Hoyt, publisher of the Denver, Colo., *Post*. The study, which is to get underway in the near future, will cover the entire problem of petroleum transportation to the west coast, the availability of crude oil and petroleum products for military use in the Pacific, and an analysis of the capacity of petroleum refineries in the area to meet wartime requirements.

Latin American Development Urged

A broad program to carry out the recommendations made a year ago by Dr. Milton S. Eisenhower for economic development of Latin America was recommended to the President last week by the International Development Advisory Board. The recommendations were contained in a report prepared for the board by J. Peter Grace, jr., president of W. R. Grace & Co., New York, member of the board.

Latin America, the report stated, "needs our help now to build the higher standards of living which are the surest safeguards against Communist penetration and subversion." Emphasized was the pressing need for growth in inter-American trade and in the flow of United States private capital to Latin America.

In support of these views, the following facts were cited:—

Why Latin America Is Important

Latin America is our largest customer; it is our largest supplier of vital raw materials; it is our largest field of foreign investment; it has more people than we have and more than twice our area and yet its all-weather road mileage is only 7 percent of ours and its electric power capacity only 8 percent; its greatest need is capital, but the net flow of new private capital from the United States in the four years ending 1953 averaged only $15,000,000 a year.

The board report recommended that the program of US action include authority to assist individual countries in the development of an overall economic plan so that available local resources and assistance from the United States will be used to the best advantage of the economy of that country. The board viewed this function as the key to a successful program.

Other recommended actions included:—

"Carry on the functions of the convertibility and expropriation insurance authorized by the mutual security act insofar as it relates to Latin America.

"Study ways and means of using tax incentives to encourage the flow of foreign private investment, including the feasibility of bilateral tax treaties incorporating reductions in tax rates.

Aid in Presenting New Projects

"Assist in the preparation for presentation to appropriate lending agencies of projects contributing to the economic development of the country which, under present conditions, cannot be financed by private institutions, but which would im-

—*Continued on page 79*

ACTH Is Fractionated Into Eight Compounds

The fractionation of ACTH into eight equally active components and the determination of the chemical structure of the most abundant one, which in itself can perform all the functions of ACTH, has been accomplished, according to a report issued today by Dr. Paul H. Bell, chief of a scientific team of the research division of American Cyanamid Company, New York, after four and a half years of work.

This new knowledge is regarded as a major step toward a more complete chemical definition of hormones and toward a better understanding of the action of the adrenal gland which, when stimulated by ACTH, produces cortisone. It may also lead to a better understanding of the many diseases for which cortisone and ACTH have been found effective, it was pointed out. The component, which is known as beta ACTH, contains thirty-nine amino acids and has a molecular weight of 4,566. This molecule has the largest single protein chain the structure of which has been determined.

Synthesis in Doubt

Although isolation and discovery of the chemical make-up of natural substances frequently lead to their being synthesized, it is not present known whether ACTH can be economically synthesized. The reason is that with present technology, man is less efficient than nature in producing so complex a molecule. However, studies could theoretically reveal that only a small portion of the molecule is physiologically active, in which case synthesis may be feasible, it was said.

The largest molecule of the hormone class to be synthesized, oxytocin, contains nine amino acid units, as compared to the thirty-nine in the ACTH component. It is now possible to obtain the eight active components, which constitute about 2 percent of the weight of the "clinical" ACTH which is widely produced today, in pure form. The importance of this, however, is not fully known since the effects of the impurities in ACTH currently being produced are not fully understood. Dr. Bell reported that during the course of the research seven other distinct proteins of equally high activity was isolated, but in lesser yields.

Twelve-Scientist Team

The research project was conducted by a twelve-scientist research team of Cyanamid's chemotherapy department at the Stamford, Conn., laboratories, with the assistance of another research team of six scientists headed by Dr. A. W. Moyer of

—*Continued on page 37*

Shell Oil Company Revamps Mechanical Engineering Unit

A reorganization of Shell Oil Company's mechanical engineering department for exploration and production into separate gas, technological and mechanical engineering departments has been announced today by A. J. Galloway, vice-president in charge of exploration and production. Mr. Galloway said the new organization is a reflection of the increasing importance of Shell's gas activities and of the greater attention being given to technological advances and to new problems, such as those concerning tar sands and oil shales.

Managers of the three new departments will report to R. W. Bond, production manager. W. B. Golush, formerly head office gas representative, will be manager of the gas department with over-all responsibility for coordination of the company's gas activities. J. T. Jordan, formerly chief technologist in New York, will be manager of the technological department, dealing with oil and gas technology, and with tar sands, "in situ" combustion, and other special studies. J. D. Goodrich, formerly production manager of the north Texas division of the Tulsa, Okla., area, will be manager of the mechanical engineering work in the company's various production areas.

Spray Coating Industry Trade Conference Set

A trade practice conference for the mastic and texture pressure sprayed coating industry will be held December 3 by the Federal Trade Commission, it was announced last week. Commissioner Lowell B. Mason will preside.

The objective is to prevent unfair methods of competition and other unlawful trade practices. Products of the industry include all mastic and texture coatings manufactured expressly for application by pressure to the exterior of buildings for protective purposes, but do not include those products generally classified as paints.

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Acrylonitrile Derivatives Added to Monsanto Line

Four new acrylonitrile derivatives have been added to the group of nitrogen petrochemicals made by Monsanto Chemical Company's organic chemicals division. The new compounds are b, b'-thiodipropionitrile, b, b'-oxydipropionitrile; b-chloropropionitrile and b-chloropropionic acid. All are available in experimental quantities. Technical data sheets prepared by the company, and which may be had on request, suggest that the products be evaluated as intermediates for a variety of complex organic chemicals, including preservatives for fats and edible oils, synthetic lubricants, plasticizers, resins and herbicides.

The dinitriles are described as excellent selective solvents for extracting aromatic fractions from aliphatics in petroleum refining operations. Beta-chloropropionitrile and beta-chloropropionic acid feature an activated chlorine atom which is easily replaced. This facilitates the introduction of a cyanoethyl or a carboxyethyl group into a wide range of useful organic compounds, Monsanto stated. All of the compounds undergo the numerous reactions characteristic of the nitrile and carboxyl groups.

Sulfuric Acid Facility Slated For Construction in Alberta

A sulfuric acid plant with a daily capacity of 100 tons will be erected for Inland Chemicals Canada, Ltd., at Fort Saskatchewan, Alberta, by the Lummus Company Canada, Ltd. Engineering for the $1,000,000 facility is now under way and field construction is expected to begin within the month.

The plant will be constructed on property adjacent to the nickel ore processing installation of Sheritt-Gordon Mines, Ltd., and will use as feed stock pure sulfur produced by Shell Company Canada, Ltd., at its Jumping Pound, Alberta, natural gas treating plant. The finished product will be marketed to Sheritt-Gordon and other industrial consumers in western Canada.

Import Restrictions Eased On Dollar Goods by Sweden

Sweden has further eased its restrictions on imports and will now issue licenses permitting the importation of some dollar goods not included in its dollar import free list, according to the Bureau of Foreign Commerce. The action was taken effective October 1.

Two conditions apply:—1.) The commodities must originate in the dollar area; 2.) the payments must be made by the Swedish importer, either in so-called transit dollars or through triangular transactions with non-dollar area countries. (Transit dollars are dollar exchange which Swedish commercial banks are authorized to obtain from abroad at a premium price.)

Commodities on the transit dollar list of particular interest to United States importers include crude linseed oil and linseed oil acids, phosphate rock, and certain lubricating oils.

National Distillers to Build New Warehouse in Newark

National Distillers Products Corporation, New York, has bought about three and a half acres of waterfront property in Newark, N. J., as the site for a new warehouse and distribution point for its U. S. Industrial Chemicals Company division.

The new plant will have a capacity for handling over 10,000,000 gallons of alcohol a year. The installation will be equipped to receive bulk shipments by rail or water, and to distribute alcohols and other chemicals in tankcars, tank trucks, drums and various other small packages. During erection of the new unit, U.S.I. will continue to use its present facilities several blocks away.

National Starch Opens Lab

A new paint laboratory to service paint companies in southern California has been established at Arcadia, Cal., by the resin division of National Starch Products Inc., New York. The laboratory is headed by Harry A. King.

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Price Index Edges Downward

The overall OPD price index moved down 0.05 point last week, to stand at 106.17. The oils, fats and waxes section helped account for the decline with drops in soybean meal and in cottonseed, peanut, soybean and tung oils. Raised in this market were corn, cottonseed, palm, oleic, soybean, stearic and tallow fatty acids, as well as cash lard, crude coconut oil and oleo stearine. In the agricultural chemicals group, meals fluctuated on a generally soft market. Hoofmeal was reduced, while bonemeal and fishmeal advanced. Dried blood was also found in the downward column. The coal chemicals market was devoid of price changes.

Peppermint, pimento and sandalwood oils advanced among essential oils, aromatics and flavorings. Also advanced in this group were cardamom seed, Zanzibar clove, Siauw and West Indian mace, Indian celery seed, and Jamaican and Mexican pimento. Dalmatian sage oil was considerably weaker. Both Dalmatian and Italian sage leaves dropped, as did Ceylon cinnamon, Moroccan coriander seed, and Dutch and Polish poppy seed. Textile and leather chemical prices remained steady, as did petroleum derivatives.

In the protective coatings section, natural resins continued active, with superfine and TN shellac higher, reflecting the strength of the Calcutta market. Argentine casein was reported weaker, due to lack of consuming demand in this country. Price patterns in the heavy chemicals market were affected by the softening tin market, which brought down tin sales other than the oxide. The mercury market also displayed signs of weakness over the week, with trading reported at a standstill because of buyer resistance to high prices.

Prices Advanced

Acid, corn, ¾c. per lb. (71).
Cottonseed, 1c. per lb. (71).
Palm, ¾c. per lb. (71).
Oleic, 1c. per lb. (71).
Soybean, ½c. per lb. (71).
Stearic, 1c. per lb. (71).
Tallow, 1c. per lb. (71).
Tartaric, imp., 1c. per lb. (57).
Bonemeal, $3 per ton (55).
Cardamom seed, decorticated, Guatemalan, 15c. per lb. (64).
Celery seed, indian, ½c. per lb. (64).
Clove, Zanzibar, 1c. per lb. (64).
Cream of tartar, imp., ¾c. per lb. (57).
Fishmeal, $1.30 per ton (55).
Lard, cash, ¾c. per lb. (71).
Mace, Siauw, 21c. per lb. (64).
West Indian, 10c. per lb.
Nutmeg, East Indian, shrivels, 5c. per lb. (64).
whole, 5c. per lb.
Oil, peppermint, nat., 15c. per lb. (64).
redist., 10c. per lb.
Pimento leaf, 20c. per lb. (64).
Sandalwood, 50c. per lb. (64).
Oleo stearine, ½c. per lb. (71).
Pimento, Jamaica, 19c. per lb. (64).
Mexican, 15c. per lb.
Shellac, bleached, bonedry, 2c. per lb. (67).
Superfine, 1c. per lb.
TN, 1c. per lb.

Prices Reduced

Blood, dried, 50c. per unit-ton (55).
Casein, Argentine, 1c. per lb. (55).
Cinnamon, Ceylon, 22, 2c. per lb. (64).
Coriander seed, Moroccan, ½c. per lb. (64).
Greases, ½c. per lb. (71).
Hoofmeal, 25c. per ton (55).
Oil, coconut, crude, ¼c. per lb. (71).
Corn, crude, ½c. per lb. (71).
refd., ¼c. per lb.
Cottonseed, crude, ¼c. per lb. (71).
refd., ¼c. per lb.
Peanut, crude, ¼c. per lb. (71).
refd., ¼c. per lb.
Sage, Dalmatian, 70c. per lb. (64).
Soybean, crude, ¾c. per lb. (71).
refd., ¾c. per lb.
Tung, ½c. per lb. (71).
Mercury, $10 per flask (41).
Potassium stannate, 0.9c. per lb. (41).
Poppy seed, Dutch, 2c. per lb. (64).
Polish, 1c. per lb.
Sage leaves, Dalmatian, 2c. per lb. (64).
Italian, 1c. per lb.
Sodium stannate, 0.9c. per lb. (41).
Soybean meal, $2 per ton (71).
Stannic chloride, 0.9c. per lb. (41).
Stannous chloride, anhyd., 1.2c. per lb. (41).
hydrous, crystals, 0.9c. per lb.
sulfate, 1.2c. per lb.
Tallow, ¼c. per lb. (71).
Tin Straits, 2c. per lb. (41).

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

(100—1949 average)

November 12, 1954	November 5, 1954	November 13, 1953
106.17	106.22	106.07

SOCMA Annual Meeting Planned for December 6

The Synthetic Organic Chemical Manufacturers Association will hear "The New Democratic Congress and Business" discussed by Richard L. Wilson at its next annual meeting and dinner, December 6 at the Commodore hotel, New York. Mr. Wilson is chief of the Washington bureau of Cowles publications. Dinner is scheduled for 7 p.m., with a meeting of the board of governors set for 2 p.m., the annual business meeting for 5 p.m., and a reception for 6 p.m.

Barrett Economist Promoted

The Barrett Division of Allied Chemical & Dye Corporation, New York, has appointed James E. Sayre manager of its marketing research department. Mr. Sayre has been an economist with Barrett since 1939.

Nat'l Distillers Aims To Be Among Top 10

National Distillers Products Corporation, New York, aims to be among "the top ten chemical companies within the next few years," Dr. Robert E. Hulse, vice-president, told members of the Synthetic Organic Chemical Manufacturers Association at their regular monthly meeting in New York last week.

Dr. Hulse said that the company's progress would be by "constructive methods" and added, "We are confident that our growth in the chemical industry will make possible new opportunities to others by creating new demands for raw materials and making available new products for further processing."

After detailing the history of National Distillers and its interest in the chemical industry, Dr. Hulse said, "At the start of its chemical career, National recognized the importance of research and so programs and expenditures to date have been larger than the normal for the industry, with particular emphasis on the chemistry of sodium derivatives and petrochemicals. Numerous patent applications have been filed and a number of programs are at the pilot plant stage."

Work on Sebacic Acid

"Among these, Dr. Hulse said, "I would like to mention isosebacic acid, a product closely related to sebacic acid, which will be of interest to manufacturers of plasticizers, ester lubricants, and polyamides. Pilot plant work has been under way for almost a year now and, while initially fraught with difficulties, is showing great promise. Unlike sebacic acid, this new product is a true synthetic organic chemical made from raw materials which are in ample supply and which have a long history of price stability. We expect shortly to have sufficient pilot plant production available to undertake a full scale market development program."

It was reported at the meeting that Samuel Lenher, of E. I. duPont de Nemours & Co., Wilmington, Del., had been selected as a candidate for president. Other officer candidates chosen were:—First vice-president, R. Wolcott Hooker, Hooker Electrochemical Company, Niagara Falls, N. Y.; second vice-president, J. H. Hilldring, General Aniline & Film Corporation, and treasurer, J. R. Fisher, Gamma Chemical Corporation, New York. Candidates for board members, class of 1957, are:—A. E. Cleghorn, National Aniline Division of Allied Chemical & Dye Corporation, New York, and A. T. Loeffler, of Food Machinery & Chemical Corporaiton, San Jose, Calif. Candidates for honorary board members, class of 1955, are:—Dr. August Merz, American Cyanamid Company, New York, and Dr. Elvin H. Killheffer.

Ethyl to Spend a Million On Research Expansion

Ethyl Corporation, New York, will spend over $1,000,000 in an expansion of its research facilities and technical services, it was revealed last week by B. Tynum Turner, vice-president in charge of the company's research and engineering. The expansion will be undertaken at Ethyl's central research laboratories in Detroit, Mich., and at its manufacturing center in Baton Rouge, La.

Major additions to laboratories will be made at both locations, Mr. Turner said. Additional wings to house new engineering and chemical laboratories will be built in Detroit. At the Baton Rouge plant, where Ethyl's pilot plant and development laboratory are located, a new two-story addition will about double the present development laboratory.

The expansion program, Mr. Turner pointed out, is related to a realignment of its research activities recently announced by Ethyl. Under the new organizational plan, the Detroit laboratories will be responsible for all research programs in the automotive products field, while research and engineering on chemical products and on manufacturing processes will be concentrated in the Baton Rouge plant.

Devoe & Raynolds Director, E. S. Phillips, Set to Retire

Elliot S. Phillips, a member of the board of directors of Devoe & Raynolds Company, New York, and president of the concern from 1924 until 1950, has announced plans to retire from active business at the end of the month. Mr. Phillips' retirement ends a thirty-nine year association with Devoe. He began work with the company as a salesman and advanced to the posts of factory superintendent, vice-president, and in 1923, general manager. Mr. Phillips was elected president in 1924 when E. H. Raynolds retired.

J. T. Baker Sales Manager

Warren F. Schumacher has been named sales manager of the newly-formed fine and industrial chemical division of J. T. Baker Chemical Company, Phillipsburg, N. J. Formerly these had been two separate units, and Mr. Schumacher had been sales manager of the fine chemical division.

Ammonia Installation Sold In St. Louis by duPont Co.

E. I. duPont de Nemours & Co., Wilmington, Del., last week announced the sale of another facility—this one in St. Louis, Mo.—for loading, storing and shipping cylinders of "National" anhydrous ammonia. A week before (OPD, 11/8/54) the company announced the sale of a similar facility in North Philadelphia.

The facility in St. Louis and the business served by it will be transferred on December 31 to Barada & Page, Inc., distributors of industrial and agricultural chemicals with headquarters in Kansas City, Mo. The transaction marks the withdrawal of duPont from the cylinder distribution phase of the anhydrous ammonia business. DuPont, however, will continue to produce anhydrous ammonia at Belle, W. Va., and has assured purchasers of the St. Louis and Philadelphia facilities of supplies to operate both businesses without interruption and with the same quality product.

Grace Names Two to Board

James J. Minot and Philip L. Reed have been elected directors of W. R. Grace & Co., New York, and Hugh S. Ferguson has been named a vice-president. Mr. Minot was a member of the board of directors of Dewey & Almy Chemical Company from 1950 until that firm was merged into W. R. Grace & Co. Mr. Reed became a member of the original board of directors of Dewey & Almy Chemical Company when the firm was founded in 1919, and served continuously on the board until the merger with W. R. Grace & Co. Mr. Ferguson was named president of Dewey & Almy Chemical Company in 1953 and now heads the Dewey & Almy Chemical Company Division of Grace.

William Tufts, Veteran OPD Market Reporter, Dead at 76

William E. Tufts, a market reporter for OIL, PAINT AND DRUG REPORTER for nearly a quarter of a century, died November 8 in Beachwood, N. J., while enroute to his office in New York. He was seventy-six years of age.

Mr. Tufts was a direct descendant of William Ellery, one of the founders of the State of Rhode Island, and of J. B. Tufts, who helped establish the Bank of the Manhattan Company, New York. A graduate of Brooklyn Polytechnic Preparatory School, he began his business career in the Wall Street district, first as a member of E. C. Randolph and later with Taylor & Hopkins, both stock brokerage houses.

Mr. Tufts joined OPD as a market reporter in 1905, remaining with the paper until 1917, at which time he started his own publication, *Chemical, Color & Oil Daily*. He was a co-publisher of this paper, which, after five years, gave way to a weekly, *Chemicals*, until 1930.

He rejoined OPD in 1943 as a market reporter. Widely known in the chemical industry, since his return Mr. Tufts had specialized in reporting activities in the heavy chemicals and agricultural chemicals fields.

Surviving are his widow, Mrs. Violette

—*Continued on page 45*

Pfizer Antibiotic Units Set for South America

New plants for the manufacture of "Terramycin" and other Pfizer antibiotics, pharmaceuticals and chemicals will soon be constructed in Chile and Argentina, it has been announced by John E. McKeen, president of Chas. Pfizer & Co., Brooklyn, N. Y. Mr. McKeen recently returned from a South American tour. The Chilean and Argentina plants will be joint ventures with pharmaceutical firms of those countries. Key technical personnel of each country will be trained in the Pfizer plants in Brooklyn; Groton, Conn., and Terre Haute, Ind. While Pfizer's new establishments were being announced in Latin America, a new Pfizer plant in England was being dedicated at Sandwich, Kent. The ceremonies there were featured by the presence of Sir Alexander Fleming, British scientist who discovered penicillin. In addition to "Terramycin," the English plant will produce "Tetracyn," the newest broad-spectrum antibiotic.

Corn Products Elects Director

Corn Products Refining Company, New York, has elected Monroe J. Lorimer to its board of directors. Mr. Lorimer joined St. Albans Grain Company of Vermont, a subsidiary of the Charles M. Cox Company, after World War I. He worked his way through various affiliated companies and became president of the Cox company. He is a director of several grain companies, including the New England Grain Products Company.

Petrochemicals Seen A Minor Factor in Oil

The spectacular growth of the petrochemical industry will not come near revolutionizing the market outlook for oil and gas production, T. G. Hughes, president of Oronite Chemical Company, San Francisco, declared last week at the American Petroleum Institute's annual in Chicago.

"Some individual producers—those who are able to meet the special requirements of petrochemical manufacturers—no doubt will find it advantageous to be the suppliers of raw materials for this growing new industry," he said. "But," Mr. Hughes added, "the tail will not wag the dog."

For producers of natural gas, he called atttention to several factors which must be used as yardsticks in determining whether a petrochemical plant can be attracted to a specific location. First, he said, there must be an "assured long-range source of supply." Next, he cited the value of the gas, and, finally, he pointed to the need for a strategic location.

Petrochemicals Output Forecast

As to how big the petrochemical industry is likely to become, Mr. Hughes felt that this year petrochemical production "will amount to about 30,000,000,000 pounds with a value of about $3,500,000,000." By way of comparison, he noted that the total annual field value of crude oil and natural gas in this country amounts to about $7,500,000,000.

He went on to cite the report of the President's Materials Policy Commission, which estimated that by 1975 the manufacturing volume of petrochemicals will be approximately 54,000,000,000 pounds, better than a 150-percent expansion.

In terms of oil and gas consumption, Mr. Hughes asserted, this growth in petrochemicals will not mean very much. "To be perfectly frank," he continued, "the volume of consumption by petrochemical manufacturers, in relation to total national petroleum production is insignificant. Right now, less than 1 percent of the crude oil and gas produced in this country is winding up in petrochemicals."

He saw a better, "but still relatively modest," outlook for the future. Using the figures of the President's commission again, he noted that that report expected the chemical industry to be using about 2 percent of total oil and gas output by 1975.

Oil Industry Warned

A warning against government control and ownership in the petroleum industry was given by A. M. Rippel, manager of the natural gas department of Phillips Petroleum Company, Bartlesville, Okla. Concerning regulation of natural gas pro-

—*Continued on page 78*

California Standard Research Subsidiary Intends to Expand

California Research Corporation, San Francisco, a subsidiary of Standard Oil Company of California, has announced a $1,500,000 modernization program. Involved in the program will be erection of a new engine laboratory and a new wing on the main laboratory-administration building. The engine laboratory will have a basement and two floors for research and shop facilities, as well as offices. There will be fourteen sound-proof cells in the structure for testing fuels and lubricants under operating conditions in auto, truck, aviation and marine engines.

The new wing on the main building will provide an additional 33,000 square feet of floor space for chemical laboratories and engineering offices. Planning will allow for the possible addition of a third floor.

Pennsalt Likely to Acquire I. P. Thomas Fertilizer Co.

Share owners of the I. P. Thomas & Son Company of Camden, N. J., soon will vote on a stock transfer plan to bring their organization into the Pennsylvania Salt Manufacturing Company, Philadelphia, as a new operating division.

"Although the I. P. Thomas Company has been, and will continue to be prominently identified with the fertilizer field," Pennsalt president George B. Beitzel stated, "its modern facilities for the production of basic materials for many of our industrial and specialty chemical products are particularly attractive to us."

I. P. Thomas is a producer of phosphoric acid and also makes "Hy-Phos," a newly-developed water conditioning agent. The company also has facilities for sulfuric acid production.

Rhodia Selects Technical Director

Breckenridge K. Tremaine, formerly associated with E. I. duPont de Nemours & Co., Wilmington, Del., has joined Rhodia, Inc., New York, as technical director of its industrial "Alamask" reodorant division. Since April of this year he has been on loan to Rhodia as acting technical director.

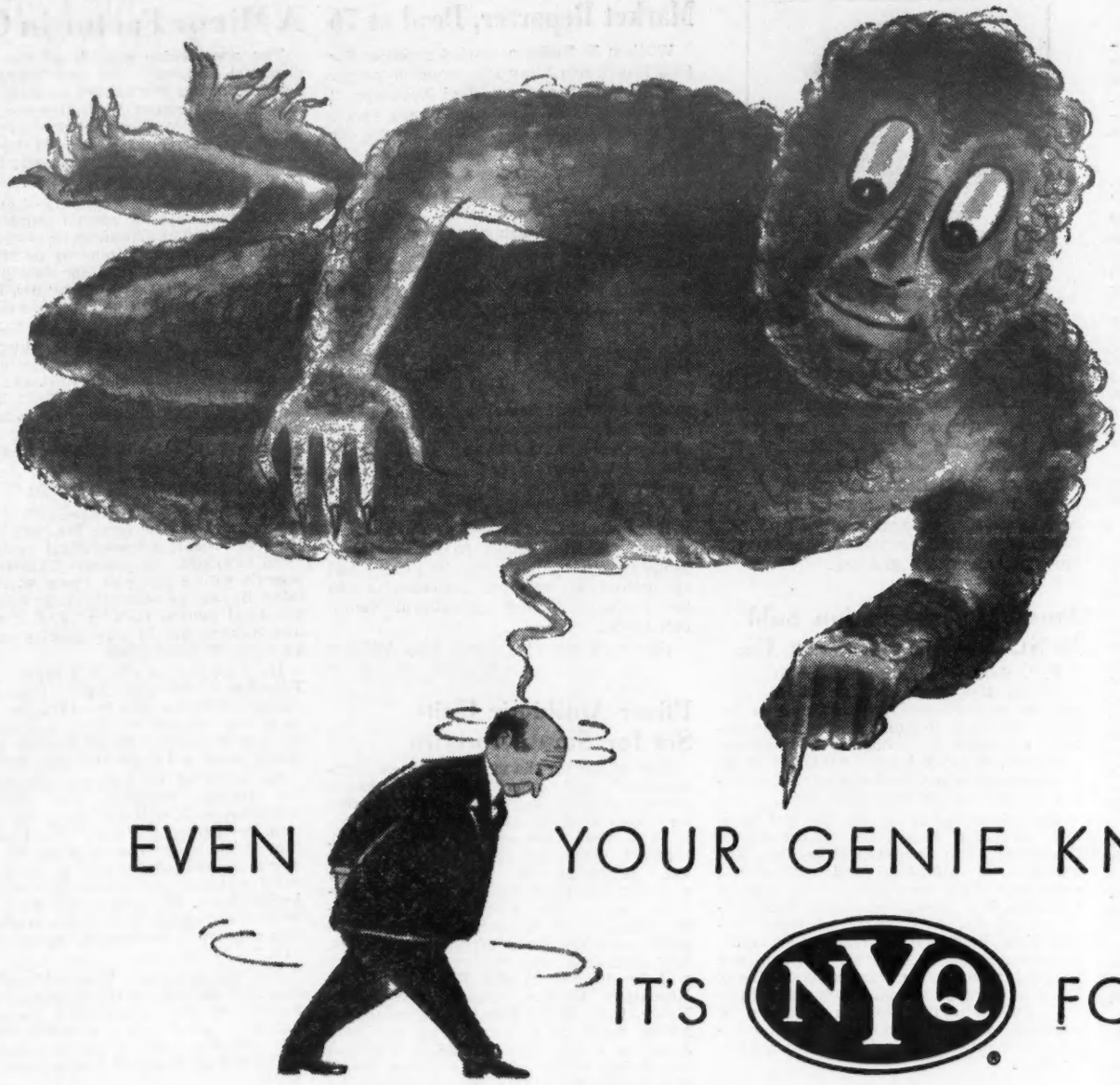
The industrial "Alamask" reodorant division, purchased by Rhodia from duPont earlier this year (OPD, 4/12/54), manufactures a line of products for abatement of air and water borne odors emanating from manufacturing operations in a wide range of industries, including chemical, pharmaceutical, rubber, petroleum, fertilizer, pulp and paper, tanning and leather, canning and brewing, and for masking of odors from sewage systems, dumps, lagoons and settling ponds.

Mr. Tremaine started his career with duPont's organic chemical department as chemist and technical representative in Wilmington and New England. From 1930 until 1936 he was with Canadian Industries, Ltd., as Ontario and western district manager for the company's dyestuffs and chemicals division. He then returned to duPont to work on market development for the fine chemicals division, continuing in this work on a national basis until the start of World War II when he became assistant to the manager of production.

Following the war, Mr. Tremaine was

Breckenridge K. Tremaine

appointed to duPont's newly-formed technical section, to continue his work in market development of surface active compounds. In 1949 he was assigned to special development of aromatic chemicals for industrial markets, remaining in this field until the purchase of the industrial "Alamask" reodorants division by Rhodia.



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Association Meetings

This Week

American Standards Association, Roosevelt hotel, New York, November 15-17.
Armed Forces Chemical Association, annual dinner meeting, Savoy Plaza hotel, New York, November 17.
Chemical Market Research Association, Book-Cadillac hotel, Detroit, Mich., November 17.
Federation of Paint and Varnish Production Clubs, annual meeting, Palmer House, Chicago, November 18-20.
Industrial Hygiene Foundation, Mellon Institute, Pittsburgh, Pa., November 17-18.
Magnesium Association, annual meeting, Chase hotel, St. Louis, Mo., November 15-17.
National Foreign Trade Council, annual convention, Waldorf-Astoria hotel, New York, November 15-17.
National Paint, Varnish and Lacquer Association, annual meeting, Palmer House, Chicago, November 15-17.
National Renderers Association, annual convention, Jung hotel, New Orleans, La., November 18-19.
National Wholesale Druggists Association, annual meeting, Hollywood Beach hotel, Hollywood, Fla., November 13-18.

Agricultural Ammonia Institute, annual meeting and trade show, Jung hotel, New Orleans, La., December 6-8.
American Chemical Society, Dallas-Fort Worth, Tex., section, southwest regional meeting, Fort Worth, December 2-4.
American Institute of Chemical Engineers, annual meeting, Statler hotel, New York, December 12-15; Kentucky hotel, Louisville, Ky., March 20-23; Shamrock hotel, Houston, Tex., May 1-4.
American Pharmaceutical Manufacturers' Association, combined midyear and eastern section meeting, Waldorf-Astoria hotel, New York, December 6-8.
American Society for Testing Materials, committee week, Netherland Plaza hotel, Cincinnati, Ohio, January 31-February 4; annual meeting, Chalfonte-Haddon Hall, Atlantic City, N. J., June 26-July 1.
American Water Works Association, annual conference, Chicago, June 12-17.
Association of American Soap and Glycerine Producers, annual convention, Waldorf-Astoria hotel, New York, January 26-28.
British Plastics Exhibition, Olympic Stadium, London, June 1-11.
Chemical and Allied Buyers Group of National Association of Purchasing Agents, Palmer House, Chicago, January 18; Commodore hotel, New York, January 25.
Chemical and Plastic Industries Equipment Salon, Parc des Expositions, Paris, France, December 2-12.
Chemical Bureau Alumni Association of the War Production Board and National Production Authority, fall cocktail party, Washington hotel, Washington, D. C., December 2.
Chemical Institute of Canada, protective coatings division conference, Royal York hotel, Toronto, February 24, Ritz Carlton hotel, Montreal, February 25; chemical engineering division conference, Ottawa, March 7-9; annual conference and exhibition, Quebec City, Quebec, May 30-June 1.
Chemical Market Research Association, joint meeting with Commercial Chemical Development Association, Edgewater Beach hotel, Chicago, January 20-21; annual meeting, Plaza hotel, New York, May 18-19.
Chemical Specialties Manufacturers Association, annual meeting, New Yorker hotel, New York, December 6-8.
Chlorine Institute, annual meeting, Biltmore hotel, New York, January 26.
Drug, Chemical and Allied Trades section of the New York Board of Trade, annual dinner, Waldorf-Astoria hotel, New York, March 3.
Forest Products Research Society, national meeting, Olympic hotel, Seattle, Wash., June 20-23.
Manufacturing Chemists Association, semi-annual meeting and winter conference, Statler hotel, New York, November 23.
National Petroleum Association, spring meeting, Cleveland, Ohio, April 13-15; annual meeting, Atlantic City, September 14-16.
Packaging Machinery Manufacturers Institute, semi-annual meeting, Palmer House, Chicago, April 16-17.
Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, William Penn hotel, Pittsburgh, Pa., February 28-March 4.
Plant Maintenance and Engineering Show, International Amphitheatre, Chicago, January 24-27.
Society of the Plastics Industry, annual meeting and conference, cruise on the Queen of Bermuda, May 7-15.
Synthetic Organic Chemical Manufacturers Association, annual business meeting and dinner, Commodore hotel, New York, December 6.
Toilet Goods Association, scientific section meeting, Waldorf-Astoria hotel, New York, December 8; annual meeting, Waldorf-Astoria hotel, New York, May 10-12.
World Petroleum Congress, Rome, June 6-15.

Plant Maintenance Show Set

The 1955 Plant Maintenance and Engineering Show has been scheduled for January 24 through 27 at the International Amphitheatre, Chicago. The show will be the first industrial exposition to occupy the recently enlarged exhibit hall. All general sessions of the conference, planned to run concurrently with the show, will be held in the arena directly adjoining the exhibits.

Oils, Fats Consumption: October

Factory consumption of primary oils, fats, fatty acids, and related materials, in October, 1954, totaled 1,387,983,000 pounds, according to the Bureau of Census. Consumption in the major specified lines of industry included the following quantities:—

	Pounds
Edible products	334,401,000
Paint and varnish	42,707,000
Processing	357,494,000
Refining	430,314,000
Soap	111,650,000

Factory consumption of individual materials was reported as follows:—

Oils

	Pounds	
Babassu—	Crude	Refined
Refining	.....	.....
Soap	.....	.....
Other	.....	.....
Castor—	No. 1	No. 3
Refining	[1]	.....
Fat-splitting	[1]	.....
Sulfonation	184,000	247,000
Soap	29,000	.....
Paint and varnish	225,000	[2] .....
Linoleum and oilcloth	.....	[2] .....
Chemicals	423,000	[2] .....
Lubricants and greases	151,000	39,000
Other uses	3,506,000	262,000
Castor, dehydrated—		
Soap	.....	.....
Paint and varnish	.....	1,014,000
Linoleum and oilcloth	.....	.....
Lubricants and greases	.....	[2] .....
Other uses	.....	393,000
Coconut—	Crude	Refined
Refining	35,592,000	.....
Deodorizing	.....	8,219,000
Hydrogenation	.....	3,058,000
Fat-splitting	3,917,000	.....
Shortening	.....	1,063,000
Sulfonation	22,000	[2]
Other edible products	[2]	2,873,000
Chemicals	[2]	[2]
Soap	7,757,000	7,418,000
Paint and varnish	.....	338,000
Other uses	1,759,000	[2] .....
Cod and codliver—		All grades
Sulfonation	.....	286,000
Deodorizing	.....	.....
Paint and varnish	.....	.....
Other uses	.....	1,247,000
Corn—	Crude	Refined
Refining	23,186,000	.....
Sulfonation	[2]	[2] .....
Deodorizing	.....	2,796,000
Winterizing for salad oil	.....	8,939,000
Shortening	.....	[2] .....
Oleomargarine	.....	[2]
Other edible uses	[2]	8,697,000
Soap	[2]	.....
Paint and varnish	.....	[2] .....
Other uses	[2]	113,000
Cottonseed—	Crude	Refined
Refining	115,823,000	.....
Sulfonation	.....	.....
Hydrogenation	.....	65,270,000
Deodorizing (whole oil)	.....	1,666,000
Winterizing for salad oil	.....	52,531,000
Shortening	.....	28,047,000
Oleomargarine	.....	4,800,000
Other edible uses	.....	1,868,000
Soap	.....	[2] .....
Paint and varnish	.....	[2]
Other uses	.....	75,000
Fish—	Menhaden	Sardine
Refining	[1]	[1] .....
Fat-splitting	.....	.....
Sulfonation	.....	193,000
Soap	.....	.....
Paint and varnish	373,000	444,000
Linoleum and oilcloth	[3]	[3] .....
Lubricants and greases	60,000	.....
Other uses	2,452,000	328,000
Fish, other—	Crude	Refined
Refining	.....	.....
Paint and varnish	[3]	143,000
Other uses	918,000	420,000
Fishliver, other than cod—		All grades
Sulfonation	.....	.....
Lubricants and greases	.....	.....
Other uses	.....	[3] .....
Linseed—	Raw	Refined
Refining	27,084,000	.....
Fat-splitting	369,000	.....
Soap	[2]	[2]
Paint and varnish	11,196,000	12,085,000
Linoleum and oilcloth	5,079,000	[2] .....
Lubricants and greases	[2]	[2] .....
Other uses	5,054,000	4,693,000
Marine, mammal—		All grades
Refining	.....	312,000
Sulfonation	.....	.....
Paint and varnish	.....	789,000
Chemicals	.....	1,079,000
Lubricants and greases	.....	160,000
Other uses	.....	All grades
Neatsfoot—		
Refining	.....	51,000
Sulfonation	.....	.....
Soap	.....	.....
Chemicals	.....	[3]
Lubricants and greases	.....	14,000
Other uses	.....	146,000
Oiticica—		All grades
Paint and varnish	.....	572,000
Linoleum and oilcloth	.....	[2]
Other uses	.....	158,000
Olive—	Edible	Inedible
Edible uses	287,000	.....
Soap	[2]	[2] .....
Other uses	28,000	[2]
Oleo—		All grades
Shortening	.....	[1] .....
Oleomargarine	.....	[3] .....
Other edible uses	.....	[1] .....
Soap	.....	.....
Lubricants	.....	.....
Other uses	.....	3,000
Palm—	Crude	Refined
Soap	[2]	[2] .....
Lubricants and greases	[2]	.....
Other uses	2,555,000	.....
Palmkernel—	Crude	Refined
Soap	429,000	[2] .....
Peanut—	Crude	Refined
Refining	[1]	.....
Sulfonation	[3]	67,000
Hydrogenation	.....	1,003,000
Deodorizing	.....	2,005,000
Winterizing for salad oil	.....	[2] .....
Shortening	.....	[2] .....
Oleomargarine	.....	[3] .....
Other edible uses	.....	335,000
Soap	.....	[2]
Other uses	.....	244,000
Perilla—		All grades
Paint and varnish	.....	.....
Rapeseed—		
Lubricants and greases	.....	299,000
Sesame, refined—		
All uses	.....	107,000
Soybean—	Crude	Refined
Refining	154,741,000	.....
Fat-splitting	[1]	.....
Sulfonation	[3]	41,000
Hydrogenation	.....	89,257,000
Dodorizing (whole oil)	.....	12,257,000
Winterizing for salad oil	.....	[2] .....
Shortening	.....	34,239,000
Oleomargarine	.....	4,527,000
Other edible uses	.....	6,104,000
Soap	47,000	36,000
Paint and varnish	391,000	5,616,000
Chemicals	.....	[2] .....
Lubricants and greases	[2]	9,000
Linoleum and oilcloth	[2]	[2] .....
Other uses	3,533,000	5,662,000

	Pounds
Tallow—	All grades
Soap	.....
Lubricants and greases	587,000
Other uses	[3] .....
Tung—	
Paint and varnish	3,333,000
Chemicals	[3] .....
Lubricants and greases	.....
Linoleum and oilcloth	129,000
Other uses	528,000
Vegetable, not specified—	
Refining	865,000
Fat-splitting	[1] .....
Hydrogenation	2,539,000
Sulfonation	102,000
Winterizing for salad oil	9,125,000
Shortening	2,916,000
Oleomargarine	8,000
Other edible uses	3,297,000
Soap	996,000
Paint and varnish	681,000
Linoleum and oilcloth	1,549,000
Chemicals	3,551,000
Lubricants and greases	36,000
Other uses	17,472,000

Fats and Greases

Grease and lard oil—		
Sulfonation	.....	155,000
Soap	.....	.....
Lubricants and greases	.....	1,085,000
Other uses	.....	474,000
Grease, not specified—		
Refining	.....	.....
Fat-splitting	.....	6,266,000
Winterizing	.....	.....
Sulfonation	.....	.....
Hydrogenation	.....	796,000
Pressing	.....	5,101,000
Soap	.....	10,365,000
Lubricants and greases	.....	754,000
Other uses	.....	944,000
Lard—	Rendered	Refined
Shortening	5,933,000	5,089,000
Oleomargarine	[2]	395,000
Hydrogenation	2,735,000	1,299,000
Other edible uses	861,000	580,000
Soap	[3]	.....
Lubricants and greases	[3]	[3] .....
Other uses	[3]	[3] .....
Stearine, animal—	Edible	Inedible
Shortening	694,000	.....
Oleomargarine	346,000	.....
Other edible uses	225,000	.....
Soap	[3]	134,000
Other uses	[3]	144,000
Stearine, vegetable—		
Shortening	.....	7,544,000
Oleomargarine	.....	892,000
Hydrogenation	.....	3,734,000
Other edible uses	.....	[1] .....
Other uses	.....	[3] .....
Tallow, edible—	Crude	Refined
Refining	[1]	.....
Fat-splitting	.....	.....
Hydrogenation	1,515,000	[3] .....
Sulfonation	.....	.....
Shortening	3,491,000	2,259,000
Soap	[2]	.....
Lubricants and greases	[3]	.....
Other uses	669,000	[3] .....
Tallow, inedible—	Crude	Refined
Refining	22,519,000	.....
Fat-splitting	12,589,000	.....
Hydrogenation	687,000	[3] .....
Pressing	[2]	.....
Sulfonation	400,000	[3] .....
Shortening	.....	.....
Soap	52,291,000	19,372,000
Lubricants and greases	2,200,000	233,000
Other uses	16,039,000	439,000

Fatty Acids and Acid Stocks

Animal foots—	
Soap	[3] .....
Other uses	[3] .....
Fatty acid stocks, not specified—	
Refining	.....
Fat-splitting	[3] .....
Sulfonation	.....
Soap	442,000
Paint and varnish	51,000
Linoleum and oilcloth	.....
Lubricants and greases	14,000
Other uses	[3] .....
Fish and marine mammal fatty acids—	
Sulfonation	[3] .....
Paint and varnish	[3]
Lubricants and greases	123,000
Other uses	[3] .....
Fish and marine mammal foots—	
All uses	[1] .....
Oleic acid, including white oleic and red oil—	
Sulfonaton	190,000
Soap	1,598,000
Paint and varnish	21,000
Chemicals	823,000
Lubricants and greases	202,000
Other uses	1,680,000
Olive oil foots (including sulfur oil)—	
Soap	[2] .....
Other stearic acids (over 50% stearic content), high palmitic (over 60% palmitic), hydrogenated animal and vegeable fatty acids—	
Sulfonation	[3] .....
Soap	49,000
Paint and varnish	23,000
Lubricants and greases	394,000
Chemicals	409,000
Other uses	1,772,000
Stearic acid (40-50% stearic content)—	
Sulfonation	[3] .....
Soap	409,000
Paint and varnish	43,000
Lubricants and greases	135,000
Chemicals	599,000
Other uses	2,333,000
Unsaturated animal fatty acids (unhydrogenated), other than oleic—	
Winterizing and pressing	3,978,000
Soap	615,000
Lubricants and greases	419,000
Other uses	535,000
Unsaturated vegetable fatty acids (unhydrogenated)—	
Sulfonation	[3] .....
Hydrogenation	857,000
Soap	1,853,000
Paint and varnish	1,634,000
Lubricants and greases	8,000
Chemicals	556,000
Other uses	2,398,000
Vegetable foots—	
Fat-splitting	9,666,000
Soap	2,758,000
Paint and varnish	71,000
Other uses	393,000

[1] Not shown to avoid disclosure of figures for individual companies.
[2] Included in "Total of vegetable oils not shown separately, including small quantities for items for which data are not available."
[3] Included in materials other than vegetable oils not shown separately, including small quantities for items for which data are not reliable.

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Soybean World Output Hitting Peak This Year

The Foreign Agricultural Service last week estimated that this year's world production of soybeans will reach an all-time high. A preliminary forecast by the agency placed the crop at 735,000,000 bushels, representing a 14 percent increase from the 1953 revised estimate of 645,000,000 bushels and a 9 percent increase from the previous high of 675,000,000 bushels produced in 1952.

More than three-fourths of the anticipated 90,000,000-bushel increase is accounted for by the United States and an estimated one-fifth by China-Manchuria. Output in virtually all of the secondary producing areas for which reliable data are available also increased from last year.

Soybean production in the United States is indicated at a record 331,000,000 bushels This is an increase of over one-fourth from the 1953 crop and is 11 percent larger than the previous record of 299,000,000 bushels harvested in 1950. The record production is due largely to the 21 percent increase in acreage harvested for beans. However, the average yield of 19.1 bushels per acre this year exceeds the relatively low yield of 18.3 bushels last year, although it is below the 1943-52 average of 19.9 bushels. Farmers planted a record acreage of soybeans because of the diversion of acreage from corn, wheat and cotton, which are under allotment programs, and from oats where planting was delayed beyond optimum dates. Moreover, soybeans were selling at favorable prices during and previous to planting time.

Production in Canada set a new record for the eleventh successive year. The crop, confined to Ontario Province, is estimated at 5,334,000 bushels, up 21 percent from 1953 and over twenty-five times the average prewar volume. The increased production came primarily from a record acreage; yield per acre exceeded last year but was far short of the high yield of 1952.

Soybean output in China-Manchuria may approximate 350,000,000 bushels against an estimated 332,000,000 bushels in 1953. Acreage was expected to be up slightly and the yield per acre may be somewhat better than last year. Japan's crop is expected to

—Continued on page 62

Pest Control Association Announces Officer List

The National Pest Control Association has announced the list of newly-elected regional vice-presidents and directors. The list includes:—

Region 1 — Directors, I. B. Carncross, Syracuse, N. Y., and Mark Weintraub, Boston; region 2 — vice-president, Jacques J. Hess, New York, and directors, John K. Medoff, West New York, N.J., and Charles Pomerantz, New York; region 3, director Alva H. Bender, Washington D.C.; region 4, vice-president, J. L. Pressman, Charlotte, N. C., and Walter Wilson, Winston-Salem, N. C.; region 5, alternate director, A. H. Jackson, Jackson, Miss., and region 6, vice-president, Arden W. Price, Chicago, and director, E. H. Purcell, Fort Wayne, Ind.

Also, region 7, directors, Bernard G. Berger, Springfield, Ohio, and Herman C. Militzer, Toledo, Ohio; region 8, vice-president, Ernest L. Levy, Minneapolis, Minn., and alternate director, Morton J. Levy, St. Paul, Minn.; region 9, director, Robert R. Schendel, Topeka, Kan.; region 10, vice-president, Robert L. Showalter, Abilene, Tex., and director, William I. Elo, San Antonio, Tex.; region 11, director, Edward W. Bushing, Oakland, Calif., and region 12, vice-president, Claude Snow, Portland, Ore.

Chemical Progress Week Scheduled for May 16-21

The second Chemical Progress Week has been scheduled for May 16 through 21, it was announced last week by the Manufacturing Chemists' Association, sponsors of the event. The program will be national in scope with emphasis on local-level activities, particularly in chemical industry plant communities.

Chemical P.A.'s to Meet

The Chemical and Allied Products Group of the National Association of Purchasing Agents will conduct one-day programs in Chicago and New York January 18 and January 25, respectively. The meetings, open to all chemical buyers, will take place at the Palmer House in Chicago and the Commodore hotel in New York. Richard Sayers of Monsanto Chemical Company, St. Louis, Mo., is the program chairman.

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An Exceptionally Effective Antihistamine For Year-round Products

Antihistamines now are administered during all seasons of the year. Nonseasonal allergies, drug reactions, and colds, as well as pollen allergies, create a year-round demand.

PYRILAMINE MALEATE MERCK is an exceptionally effective antihistamine with an unusually high index of safety. It is suitable for many types of formulations: tablets, cough syrups, creams, lotions, ointments, ophthalmic and nasal solutions, and injectables.

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Analgesics	Citrates	Sulfonamides
Antibiotics	Ephedrines	Theobromine
Bismuth Salts	Iodides	Theophyllines
Bromides	Magnesium Salts	Vitamins
Caffeine	Quinines	Zinc Salts
	Salicylates	

Research and Production for the Nation's Health

MERCK & CO., INC.
Manufacturing Chemists
RAHWAY, NEW JERSEY

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Current Market Quotations

Chemicals and Related Materials

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Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, November 12 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

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A

Acacia (see Gum arabic)

Acenaphthene, below 92.5 C., m.p., dms. works lb. .40 - —
above 92.5 C., m.p., bbls., dms., works lb. .41 - .50

Acetaldehyde, 99%, dms., c.l., frt. equald lb. .1250 - .1435
l.c.l. frt. equald lb. .1350 - .1535
tanks, frt equald lb. .1050 - .1300

Acetaldol (see Aldol).

Acetanilide, tech., bbls., c.l., dlvd. lb. .29 - —
ton lots lb. .30 - —
smaller lots lb. .30½ - —
USP, bbls., 2,000-lb. lots lb. .80 - —
smaller lots lb. .81 - .96

Acetic anhydride, dms., c.l., dlvd. E. lb. .15½ - —
l.c.l., dlvd. E lb. .17 - —
tanks, dlvd. E lb. .14 - —

Acetoacetanilide, fib. dms., c.l., dlvd lb. .75 - .80
l.c.l., dlvd lb. .76 - .81

Acetoacet-o-chloroanilide, fib., dms., c.l. dlvd lb. 1.27 - 1.35
l.c.l., dlvd lb. 1.28 - 1.36

Acetoacet-o-toluidide, fib. dms., c.l., dlvd lb. .78 - .82
l.c.l., dlvd lb. .79 - .83

Acetone, CP, dms., c.l., dlvd lb. .10 - —
l.c.l., dlvd. lb. .11 - —
tanks, dlvd. lb. .08 - —

Methyl (see M)

Acetonitrile, dms., c.l., works lb. .45 - —
l.c.l., works lb. .47 - —

Acetophenetidine, USP, bbls., works, frt. equald lb 1.15 - 1.17

Acetophenone cns., dms lb. 1.21 - 1.85
tech., dms., l.c.l., works lb. .75 - —

p-Acetylaminobenzaldehyde thiosemicarbazone, dms, frt. adjusted, lb. 17.50 - 21.00

N-Acetyl-p-aminophenol, dms., frt. adjusted lb. 1.75 - 1.85

Acetyltributyl citrate tech. dms., c.l., works lb. .33½ - —
l.c.l., works lb. .34½ - .38½
tanks, works lb. .32 - —

Acetyltriethyl citrate, tech., dms., c.l., works lb. .37½ - —
l.c.l., works lb. .38½ - —
tanks, works lb. .36 - —

Acid, abietic, coml., dms., c.l., works lb. .12 - —
l.c.l., ex whse lb. .1490 - —
cryst., dms. c.l. works lb. .06½ - —
l.c.l. works lb .07 - .07½

Acetic, coml., or redist., 28%, bbls. 100 lbs. 4.80 - —
56%, bbls. 100 lbs 8.25 - —
70%, bbls. 100 lbs. 9.95 - —
80%, bbls 100 lbs. 10.45 - —
glacial, syn., CP, dms., dlvd. 100 lbs. 15.00 - 16.00
tech., dms., c.l., dlvd 100 lbs. 10.50 - 12.00
l.c.l., same basis 100 lbs. 11.00 - 13.00
tanks, dlvd 100 lbs. 10.00 - —
USP cbys., inclusive, dlvd., 100 lbs. 24.00 - 25.00

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP special, bbls., makers, primary distrib., point of shipt., 1,000-lb. lots lb. .60 - —
standard, fine, cryst., gran., (30-40 mesh) powd., (80 mesh), bbls., 1,000-lb. lots. lb. .53 - —

Freight equald, shipt. identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works lb. .37 - .37½
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75
p-Aminobenzoic, tech., dms., works lb. 1.74 - 1.77
USP, dms., 1,000-lb. lots or more, works lb. 2.30 - —
smaller lots, works, same basis lb. 2.55 - 2.60
p-Aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 4.00 - —
smaller lots, same basis lb 4.05 - 4.50
Anthranilic, bbls., frt equald lb 1.21 - —
Arsenous, tech., (see Arsenic, white.
USP (see Arsenic trioxide).
Ascorbic USP dms., 25-50 kilo lots kilo. 16.00 - —
10-kilo lots kilo. 16.35 - —
5-kilo lots kilo. 16.75 - —
bots 1-kilo lots kilo. 17.00 - —
500-gram lots kilo. 17.50 - —
Battery, cbys. c.l., works, E. 100 lbs. 2.35 - —
l.c.l., works, E 100 lbs. 2.65 - 3.45
Benzoic, tech., bbls., dms., 100-lb. lots or more lb. .44 - —
USP, bbls., dms. 100-lb. lots or more lb. .54 - —
Betahydroxynaphthoic (see Acid, b-Oxynaphthoic).
Betaoxynaphthoic (see Acid, b-Oxynaphthoic).
Boric, tech. 99½%, cryst., bgs., c.l., works ton. 124.25 - —
ton lots, ex whse., N. Y. or Chi ton. 172.00 - —
smaller lots, same basis, ton. 177.00 - —
bbls., c.l., works ton. 148.75 - —
ton lots, ex whse., N. Y. or Chi ton. 196.50 - —
smaller lots, same basis, ton. 201.50 - —
gran., bgs., c.l., works ton. 99.25 - —
ton lots, ex whse., N. Y. or Chi ton. 147.00 - —
smaller lots, same basis, ton. 152.00 - —
bbls., c.l., works ton. 123.75 - —
ton lots, ex whse., N. Y. or Chi ton. 171.50 - —
smaller lots, same basis. ton. 176.50 - —
bulk, c.l., works ton. 94.25 - —
Acid, boric, tech., powd., bgs., c.l., works ton. 104.25 - —
ton lots, ex whse., N. Y. or Chi ton. 152.00 - —
smaller lots same basis. ton 157.00 - —
bbls., c.l., works ton. 128.75 - —
ton lots, ex whse., N. Y. or Chi ton. 176.50 - —
smaller lots same basis. ton. 181.50 - —

Boric acid in kegs $45.50 per ton higher than in paper bgs. USP boric acid $25 per ton higher.

Broenners, bbls lb. 1.76 - —
Butyric, 99% dms., c.l., works, lb. .34 - —
l.c.l., works lb. .34½ - —
tanks, works lb. .32½ - —
Cacodylic, bots lb. 10.50 - 13.00
Camphoric, nat., dms lb. 4.00 - 4.75
syn., dms. lb. 4.00 - 4.75
Capric, dms lb. .25½ - .27
Caprylic dms lb. .27¾ - .29½
Cassella dms., 100% basis, frt., alld lb. 1.44 - 1.75
Castor oil, split, dms lb. .35½ - .36
Chicago, bbls. frt alld lb. 3.21 - —
Chloroacetic, mono-, purif., flake, 99%, dms lb. .23½ - .25½
tech., flake, 96-97%, frt. equald, dms lb. .20 - .21
o-Chlorobenzoic, fib. dms., works lb. 1.13 - —
p-Chlorobenzoic, fib. dms., works lb. 1.59 - 1.62
Chlorosulfonic, dms., c.l., frt. equald lb. .0465 - —
l.c.l. frt. equald lb. .0515 - —
tanks, frt equald lb. .0415 - —

Acid, chlorosulfonic, in stainless steel dms. ½c. per lb. higher.

Cholic, 100-lb. lots, fib. dms. lb. 6.00 - 6.25
Chromic 99¾%, dms., c.l., works lb. .27½ - —
l.c.l., works lb. .28 - .29

NF (see Chromium trioxide).

Cinnamic, refd., bots lb. 2.50 - 3.50
Citric, USP, anhyd., gran., fine gran., dms., c.l lb. .28¾ - —
10,000-lb. lots, 1 shipt. lb. .29¼ - —
smaller lots lb. .29¾ - .31¼
hydrous gran. fine gran., dms. c.l lb. .27 - —
10,000-lb. lots, 1 shipt. lb. .27½ - —
smaller lots lb. .28 - .29½

Powdered citric acid ½c. higher.

Acid, Cleve's, mixed, bbls lb. .79 - —
Coconut oil, dist., dms lb. .24¼ - .26
tanks lb. .22½ - —
dbl. dist., dms lb. .25 - .26¾
tanks lb. .23¼ - —
Corn oil, dist., dms lb. .14½ - .16¼
tanks lb. .12¾ - —
Cottonseed oil, dist., dms lb. .14 - .15¾
tanks lb. .12¼ - —
2,3-Cresotic, dms., ton lots, works. lb. .66 - —
smaller lots lb. 1.82 - 2.00
Cresylic, coaltar dom., 50% 207°C or above ret dms c.l., frt. equald gal. .98 - —
l.c.l., same basis gal. 1.03 - —
non-ret., dms. c.l., same basis gal. 1.01 - —
l.c.l. same basis gal. 1.04 - —
tanks, same basis gal. .90 - —
204° to 207°C., ret., dms., c.l., same basis gal. 1.03 - —
l.c.l., same basis gal. 1.08 - —
non-ret., dms. c.l. same basis gal. 1.06 - —
l.c.l. same basis gal. 1.09 - —
tanks, same basis gal. .93 - —
imp. 75% at 215°C. or over, dms. ex whse gal. .75 - .90
petroleum, dom., 195° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .71 - —
l.c.l., same basis gal. .73 - .75
tanks, same basis gal. .58 - —
200° C. to 222° C., tanks, Wilmington, Cal gal. .58 - .63
211° C. to 236° C., non-ret, dms., c.l., San Francisco and Los Angeles gal. .63 - —
l.c.l., same basis gal. .65 - .67
tanks, same basis gal. .50 - —
220° C. to 242° C., tanks, Wilmington, Cal gal. .50 - .53
245° C. to 298° C., tanks, Wilmington, Cal gal. .46 - —
Crotonic, fib. dms., 200 lbs. or more, works lb. .44 - —
Cyanoacetic, tech., bbls lb. .90 - 1.25
Dehydrocholic, injection fib dms. 100-lb. lots lb. 14.75 - —
oral, fib. dms., 100-lb. lots lb. 10.25 - —
Desoxycholic, fib. dms, 100-lb. lots. lb. 15.00 - —
Dichlorophenoxyacetic (see under D) 2,4 D)
Diethylbarbituric (see Barbital)
Diglycolic, bgs., works lb. .14 - —

Acid, 2-ethyl hexoic, dms., c.l., works lb. .35 - —
l.c.l., works lb. .35½ - —
tanks, works lb. .33½ - —
F, crude, paste, bbls., works lb. 2.10 - —
Folic, bots, fib cns kilo-lots or more gram. 1.60 - —
Formic, 85%, cbys., c.l., works lb. .1570 - —
l.c.l., works lb. .1620 - .1720
90%, cbys., c.l., works lb. .1625 - —
l.c.l. works lb. .1675 - .1775
Fumaric, tech., bgs., dms lb. .27 - .28
Gallic, NF VII, bbls. 1,000-lb. lots lb. 1.80 - —
smaller lots lb. 1.82 - 2.00
tech., bbls., 1,000-lb. lots lb. 1.58 - —
smaller lots lb 1.69 - 1.78
Gamma, dry, grd., bbls., frt. alld. lb. 1.50 - —
paste, bbls. frt allo lb 1.45 - —
Gentisic, 100-lb. fib. dms lb. 8.50 - —
Gluconic, tech., 50% bots lb. .25 - .35
cbys. lb. .19 - —
dms. lb. .15½ - —
l-Glutamic, 99½% fib. dms., 100 lb lots works lb 2.45 - 2.53
25-lb. lots, works lb. 2.54 - 2.60
Glycerophosphoric, 35%, dms., works lb. 2.25 - 2.35
Glycolic (see Acid hydroxyacetic).
H, dry, bbls., works, 100% basis, lb. .82 - —
paste, bbls., works, 100% basis, lb. .80 - —
Hydriodic, 1.50 s.g., cbys lb 2.94 - —
1.70 s.g., cbys lb 3.23 - —
Hydrobromic, medicinal, 48%, cbys. dlvd E lb .37 - .43
Hydrochloric, anhyd. (see Hydrogen chloride).
18° cbys., c.l., works 100 lbs. 2.50 - —
l.c.l., dlvd Metropolitan area 100 lbs. 2.90 - 3.05
tanks, works, frt equald ton. 28.00 - —
20° cbys., c.l., works 100 lbs 2.60 - —
l.c.l., dlvd Metropolitan area 100 lbs 3.00 - 4.00
tanks, works, frt equald ton. 30.00 - —
22° cbys c.l., works 100 lbs. 2.15 - —
l.c.l. dlvd Metropolitan area 100 lbs. 3.25 - 4.50
tanks, works, frt equald ton. 35.00 - —
CP, USP, consumers, cbys., extra c.l. works lb. 11¾ - —
l.c.l. same basis lb. 13¼ - 13¾
5-pint bots., extra, cs., c.l., same basis lb. 16¾ - —
l.c.l. same basis lb 19¼ - —

Acid, hydrochloric, CP, USP prices to dealers 1½c per lb less.

Hydrocyanic, cyls. frt. alld lb. .75 - .93
dilute NF 2% 5 lb bots lb 40 - —
Hydrofluoric, anhyd. (see Hydrogen fluoride).
tanks, works lb. .21 - —
70%, steel dms., works lb. .16½ - .22½
Hydrofluosilicic, basis 30%, dms., works lb. .06 - —
Hydroxyacetic, tech., 70%, non-ret. bbls., Phila., 100% basis lb. .136 - —
tanks, Belle, W. Va., 100% basis lb. .095 - —
Hypophosphorus, purif., 50%, cbys lb. 1.30 - 1.33
USP, cbys lb 88 - —
Isonicotinic, 100 lb fib dms, works lb. 5.00 - —
Hydrazide (see Isoniazid).
J, bbls., works, 100% basis lb. 2.50 - 2.85
Koch, bbls., frt. alld lb. .64 - .70
L, bbls., works lb. 1.25 - —
Lactic, edible, 50%, bbls., 20 or more lb. .17 - .20
smaller lots lb. .1750 - .2100
80%, bbls., 5 or more lb. .30 - .3640
smaller lots lb. .305 - .3699
USP, 85%, cbys lb. .85 - .88
plastic grade, 50%, bbls., 20 or more, works lb. .2175 - —
1 to 19 lb. .2225 - .2278
80%, bbls., 5 or more lb. .3818 - —
tech., 22%, bbls., c.l., works 100 lbs. 6.30 - —
l.c.l., works 100 lbs. 6.70 - —
cbys., l.c.l., works 100 lbs. 7.20 - 12.20
44%, bbls., c.l., works 100 lbs. 11.45 - 11.98
l.c.l., works 100 lbs. 11.15 - 12.50
Laurent's, bbls lb. .60 - —
Lauric, 90%, dms lb. .35½ - .37
Linseed oil, dist., dms lb. .2025 - —
w. w., dms lb. .2325 - —
Maleic, cryst., powd., dms lb. .37 - .38
Malic, tech., dms lb. .50 - —
Mandelic, NF, dms., 1,000-lb. lots. lb. 2.35 - —
smaller lots lb. 2.40 - 2.50
Metanilic, dms., works lb. .57 - .75
Methacrylic, glacial, 98%, dms., truckloads, works lb. .54½ - —
smaller lots, works lb. .55 - —
Molybdic, 85-92%, dms. works lb 1.27 - —
Monochloroacetic, purif. (see Acid, Chloroacetic mono-).
Muriatic (see Acid, hydrochloric).
Myristic, dms lb. .28 - .29½
Naphthenic, 220-230 acidity, dms., works lb. .13¼ - —
tanks, works lb. .11¼ - —
Naphthol (1)-4-sulfonic (see Acid Nevile and Winthers)
Naphthol(1)-5-sulfonic (see Acid, L).
Naphthol(1)5-sulfonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulfonic,8-amino (see Acid H).
Naphthol(2)-6,8-disulfonic (see Acid, Gamma)
(2)-7-Sulfonic,2-amino (see Acid, J).
Naphtholsulfonic, mixed (see Acid, Cleve's, mixed).
Naphthylamine(1)-5-sulfonic (see Acid, Laurent's).
(2)-6-sulfonic (see Acid, Broenner's).
(2)-7-sulfonic (see Acid, F).
(2)-1-sulfonic (see Acid, Tobias).

Abbreviations
Used in OPD Market Quotations

alld.	allowed
amorph.	amorphous
AMP	American melting point
anhyd.	anhydrous
a.p.a.	available phosphoric acid
artif.	artificial
ASTM	American Society for Testing Materials
Atl.	Atlantic
Be.	Baume
bbls.	barrels
bgs.	bags
bls.	bales
bots.	bottles
b.p.	boiling point
b.p.l.	bone phosphate of lime
b.r.	boiling range
bxs.	boxes
C.	centigrade
cbys.	carboys
CD	completely denatured
c.i.f.	cost, insurance, freight
cks.	casks
c.l.	carlots
cns.	cans
coml.	commercial
conc.	concentrated
CP	chemically pure
cps.	centipoises
cryst.	crystal
cs.	cases
ctns.	cartons
cyls.	cylinders
d-	dextro
dbl.	double
denat.	denatured
dest-dist.	destructive-distilled
dl-	dextro-laevo
dist.	distilled
distr.	distributor
djns.	demijohns
dlvd.	delivered
dms.	drums
dom.	domestic
E.	east
e.p.	end point
equald.	equalized
exp.	expressed
F.	fahrenheit
ferment.	fermentation
f.f.a.	free fatty acid
f.f.c.	free from chlorine
fib.	fiber
f.o.b.	free on board
f.p.a.	free of prussic acid
frt.	freight
gal.	gallon
gran.	granular
grd.	ground
i.&a.	iron and aluminum
i.b.p.	initial boiling point
imp.	imported
incl.	included
indust.	industrial
kgs.	kegs
l-	laevo
lacq.	lacquer
lb.	pound
l.c.l.	less than carlots
liq.	liquid
m-	meta
m.a.p.	mixed aniline point
min.	minimum
m.p.	melting point
N-	nitrogen
n-	normal
nat.	natural
neut.	neutral
NF	National Formulary
NNR	New and Nonofficial Remedies
No.	number
nom.	nominal
o-	ortho
ord.	ordinary
oz.	ounce
p-	para
Pac.	Pacific
pf.	proof
phos.	phosphate
photo.	photographic
pkgs.	packages
powd.	powdered
precip.	precipitated
prod.	producer
pt.	point
pulv.	pulverized
purif.	purified
redist.	redistilled
refd.	refined
refy.	refinery
reg.	regular
resub.	resublimed
ret.	returnable
SD	specially denatured
s.d.	single distilled
S. E.	southeast
sec.	secondary
secs.	seconds
s.g.	specific gravity
shipt.	shipment
soln.	solution
s.u.	standard unit
syn.	synthetic
tanks.	railroad tankcars
tech.	technical
tert-	tertiary
USP	U. S. Pharmacopoeia
vis.	viscosity
VM&P	varnish makers & painters
W.	west
whse.	warehouse
w. w.	water-white

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 poupds of the material.

Acid, Nevile and Winther's—Alcohol, Ethyl, 190 Pf.

Acid, Nevile and Winther's, dms., frt. alld	lb.	1.10	—
Nicotinic, USP, dms., frt. adjusted kilo		9.00	9.30
Amide, USP, (see Nicotinamide).			
Nitric 36° Be cbys., c.l., works, E.			
100 lbs.		5.75	—
l.c.l., works, E	100 lbs.	6.05	6.85
38° Be cbys., c.l., works, E.			
100 lbs.		6.25	—
l.c.l., works, E	100 lbs.	6.55	7.35
40° Be, cbys., c.l., works, E			
100 lbs.		6.75	—
l.c.l., works, E	100 lbs.	7.05	7.85
42° Be cbys., c.l., works, E.			
100 lbs.		7.25	—
l.c.l., works, E	100 lbs.	7.55	8.35
58.5 to 68% HNO_3, tanks, works, 100% basis	100 lbs.	3.90	—
94½ to 95½% HNO_3, tanks, works, 100% basis	100 lbs.	4.90	—
CP NF, consumers, cbys., extra c.l., works	lb.	.13½	—
l.c.l., same basis	lb.	.15	.15½
8 pint bottles, extra, cs., c.l., same basis	lb.	.17½	—
l.c.l., same basis	lb.	.19	.25
p-Nitrobenzoic, dms., c.l., works	lb.	.72	—
l.c.l., works	lb.	.73	—
Oleic, s.d., dms	lb.	.16¾	.18½
tanks	lb.	.15	—
dbl. dist., (white), dms	lb.	.19¼	.21
tanks	lb.	.17½	—
Oleum (see Acid, sulfuric, fuming).			
Orthochlorobenzoic (see Acid, o-Chlorobenzoic).			
Orthocresotinic (see Acid, 2,3-Cresotic).			
Oxalic, bbls., c.l., works	lb.	.16½	—
10,000-lb. lots, works	lb.	.16¾	—
smaller lots, works	lb.	.17¾	—
Acid, b-oxynaphthoic, bbls., works.	lb.	1.14	—
Palm oil, dbl. dist., dms	lb.	.14	.15¾
Para-aminobenzoic (see Acid, p-Aminobenzoic)			
Para-aminosalicylic (see Acid, p-Aminosalicylic).			
Parachlorobenzoic (see Acid, p-Chlorobenzoic)			
Paramethylphenylcinchonic (see Neocinchophen)			
Paranitrobenzoic (see Acid, p-Nitrobenzoic)			
Paratoluidinmetasulfonic (see Acid, p-Toluidine m-sulfonic)			
Phenylacetic, pure, cryst., cns.	lb	.75	1.70
Phenylcinchoninic (see Cinchophen).			
Phenylglycolic (see Acid, mandelic).			
Phosphoric, food grade, 75%, cbys., c.l., works	100 lbs.	7.30	—
l.c.l., works	100 lbs.	7.80	8.30
tanks, works	100 lbs.	5.10	—
NF, 85%, cbys., c.l., works	lb.	.08½	—
l.c.l., works	lb.	.09	.09¼
Picric, NF, bbls.	lb.	.60	—
tech., bbls.	lb.	.34	.35
Propionic, syn., pure, dms., c.l., works	lb.	.21	—
l.c.l., works	lb.	.22	—
tanks, works	lb.	.19	—
Pyrogallic, NF, (see Pyrogallol).			
tech., bbls	lb.	2.76	2.99
Ricinoleic (see Acid, castor oil, split).			
S., bbls., works	lb.	3.25	—
Salicylic, crude, fib. dms	lb.	.37	—
sublimed, tech., fib. dms., c.l.	lb.	.39	—
l.c.l.	lb.	.46	—
dyestuffs grade, fib. dms.	lb.	.41	—
USP, cryst., fib. dms	lb.	.48	—
powd., fib. dms	lb.	.53	—
Sebacic, purif., dms., c.l., works.	lb.	.64	—
l.c.l., works	lb.	.66	.70
Acid, soybean oil, dbl. dist., dms.	lb.	.16¼	.18
tanks	lb.	.14½	—
s. d., dms	lb.	.14¾	.16½
tanks	lb.	.13	—
Stearic, dbl. pressed, bgs	lb.	.13¾	.15½
single pressed, bgs	lb.	.13¼	.15
triple-pressed, bgs	lb.	.16	.17¾
Succinic, purif., cryst., bbls., works	lb.	.62	.75
Sulfanilic, tech., dms., c.l., frt. alld	lb.	.19	—
l.c.l., frt. alld	lb.	.21	—
Sulfuric, 60° Be, cbys., c.l., works	100 lbs.	2.00	—
l.c.l., works	100 lbs.	2.45	—
tanks, works	ton.	18.60	—
66° Be, cbys., c.l., works	100 lbs.	2.25	—
l.c.l., works	100 lbs.	2.55	3.35
tanks, works	ton.	22.35	—
98%, tanks, works	ton.	23.50	—
99-100%, tanks, works	ton.	23.95	—
CP, NF, consumers cbys. extra, c.l., works frt. equald	lb.	.09¾	—
l.c.l., same basis	lb.	.11¼	.11¾
8 pt. botz., extra, cs., c.l., works frt. equald	lb.	.13¼	—
l.c.l., same basis	lb.	.14¾	.20¾
oleum, 20%, tanks, works	ton.	25.00	—
40% tanks, works	ton.	29.00	—
65% tanks works	ton.	39.50	—
Tallow, dist., dms	lb.	.13½	.15¼
hydrogenated, bgs	lb.	.12¾	.14½
rubbermakers, bgs	lb.	.11½	.13
Tannic, NF, fluffy, bbls., 1,000-lb. lots	lb.	1.59	1.60
smaller lots	lb.	1.65	1.76
powd., bbls., 1,000-lb. lots	lb.	1.50	—
smaller lots	lb.	1.51	1.69
tech., dms	lb.	.95	—
Acid, tartaric, USP, dom., 230 gr			
250-lb. dms., c.l.	lb.	.41	—
10,000-lb. lots, 1 shipt.	lb.	.41½	—
smaller lots	lb.	.42	—
100-lb. dms	lb.	.43	—
small dms	lb.	.45	.51
imp., bgs	lb.	.36½	Nom.
Thioglycolic, refd., cbys., 100% basis	lb.	1.80	1.86
Tobias, bbls., frt. alld	lb.	.74	—
Toluenesulfonic, dms., c.l., works,	lb.	.16	—
l.c.l., works	lb.	.17½	—
p-Toluidine-m-sulfonic, bbls., works	lb.	.92	1.04
Trichloroacetic, bots.	lb.	2.00	2.50
Trichlorophenoxyacetic (see under 'T' 2,4,5T)			
Undecylenic, dms	lb.	1.40	—
Aconite root, bls	lb.	.50	.55
Aconitine, cryst., potent, bots	oz.	78.00	85.00
Acrolein, tech., dms., c.l., works.	lb.	.47	—
l.c.l., works	lb.	.47½	—
Acrylonitrile, dms., c.l., works	lb.	.33	—
l.c.l., works	lb.	.34	—
tanks, works	lb.	.21	—
ACTH, cryst., bulk, 1,000 units/gram, bots	gram.	15.00	—
Adeps lanae (see Lanolin).			
Adrenocorticotropic hormone (see ACTH).			
Agar, USP, Kobe No. 1, strip, bls.	lb.	2.90	3.10
powdered, 30 mesh, fib., dms	lb.	3.40	3.50
dl-Alanine, dms., works	lb.	8.50	11.00
Albumin, blood, dark (see Blood, dried, soluble).			
tignt, dms., c.l.	lb.	.65	.90
Egg, edible, flake, bbls	lb.	1.27	1.29
powd., bbls	lb.	1.31	1.33
tech., cryst., bbls	lb.	.85	.87
Alcohol, allyl, dms., c.l., dlvd	lb.	.33	—
l.c.l., dlvd	lb.	.33	—
tanks, dlvd	lb	.30	—
Amyl, ex fusel oil (see Fusel oil, refd.)			
ferment., refd., 128°132°C., dms., l.c.l., dlvd	lb.	.34	.43
ACS grade, dms., c.l., dlvd	lb.	.36	.45
ex-pentane, mixed, amyls, dms., c.l., frt. alld	lb.	.17	—
l.c.l., frt. alld	lb.	.18	—
tanks, frt. alld	lb.	.15	—
primary, dms., c.l., frt. alld.	lb.	.19¼	—
l.c.l., frt. alld	lb.	.20¼	—
tanks, frt. alld	lb.	.17¼	—
sec-synthetic, dms., c.l., frt. alld., works	lb.	.18	—
l.c.l., works	lb.	.19	—
tanks, works	lb.	.16	—
tert-synthetic, dms., c.l., frt. alld. E	lb.	.17	—
l.c.l., frt. alld. E	lb.	.18	—
tanks, frt. alld. E	lb.	.15	—
1-pentanol, (syn. normal), dms., c.l., works	lb.	.42	—
l.c.l., works	lb.	.43½	—
tanks, works	lb.	.40	—
2-pentanol, dms., c.l., works	lb.	.65	—
l.c.l., works	lb.	.70	—
tanks, works	lb.	.60	—
Benzyl, NF, dms	lb.	.64	.79
tech., dms., dlvd	lb.	.47½	.49
n-Butyl, ferment., dms., l.c., frt. alld.	lb.	.15	—
l.c.l., frt. alld	lb.	.16	—
tanks, frt. alld	lb.	.13	—
n-synthetic, dms., c.l., dlvd.	lb.	.15	—
l.c.l., dlvd	lb.	.16	—
tanks, dlvd	lb.	.13	—
sec-synthetic, dms., c.l., dlvd.	lb.	.13	—
l.c.l., dlvd	lb.	.14	—
tanks, dlvd	lb.	.11	—
tert-synthetic, dms., c.l., frt. alld.	lb.	.14	—
l.c.l., frt. alld	lb.	.15	—
tanks, works	lb.	.12	—
Capryl, 85%, dms., c.l., works.	lb.	.18	—
l.c.l. works	lb.	.18½	—
tanks, works	lb.	.16½	—
95%, dms., c.l., works	lb.	.19½	—
l.c.l., works	lb.	.20	—
tanks, works	lb.	.18	—
Cetyl, extra fib. cns., 500-lb. lots or more	lb.	.73	—
smaller lots	lb.	.80	1.15
NF, fib. cns. 140-lb lots or more	lb.	.58	.82
smaller lots	lb.	.59	.82
Cinnamic, bots	lb.	2.15	2.75
Decyl, bots	lb.	1.75	2.00
indust. (see 1-Decanol).			
Denat., CD12, CD13, CD14, CD17, dms., c.l., dlvd. E. of Rockies	gal.	.54½	—
l.c.l., same basis,	gal.	.59½	.65¼
tanks, dlvd., same basis	gal.	.41½	—
Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.			
Proprietary solvent, dms., c.l., dlvd. E. of Rockies	gal.	.56	—
l.c.l., same basis	gal.	.61	.67
tanks, same basis	gal.	.43	—
Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.			
SD1, dms., c.l., dlvd. E. of Rockies	gal.	.55½	—
l.c.l., same basis	gal.	.60½	.66¼
tanks, same basis	gal.	.42½	—
SD2B, dms., c.l., dlvd. E. of Rockies	gal.	.54	—
l.c.l., same basis	gal.	.59	.65
tanks, same basis	gal.	.41	—
SD3A, dms., c.l., dlvd. E. of Rockies	gal.	.53	—
l.c.l., same basis	gal.	.58	.64
tanks, same basis	gal.	.40	—
SD23A, dms., c.l., dlvd. E. of Rockies	gal.	.55½	—
l.c.l., same basis	gal.	.60½	.66¼
tanks, same basis	gal.	.42½	—
SD23H, dms., c.l., dlvd. E. of Rockies	gal.	.56	—
l.c.l., same basis	gal.	.61	.67
tanks, same basis	gal.	.43	—
SD29, dms., c.l., dlvd. E. of Rockies	gal.	.54½	—
l.c.l., same basis	gal.	.59½	.65¼
tanks, same basis	gal.	.41½	—
SD30, dms., c.l., dlvd. E. of Rockies	gal.	.53	—
l.c.l., same basis	gal.	.58	.64
tanks, same basis	gal.	.40	—
SD35A, dms., c.l., dlvd. E. of Rockies	gal.	.56	—
l.c.l., same basis	gal.	.61	.67
tanks, same basis	gal.	.43	—
SD40, dms., c.l., dlvd. E. of Rockies	gal.	.54	—
l.c.l., same basis	gal.	.59	.65
tanks, same basis	gal.	.41	—
Diacetone, acetone-free, dms., c.l., dlvd	lb.	.14	—
l.c.l., dlvd	lb.	.15	—
tanks, dlvd	lb.	.12	—
tech., dms., c.l., dlvd	lb.	.13½	—
l.c.l., dlvd	lb.	.14½	—
tanks, dlvd	lb.	.11½	—
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies;	gal.	20.48	—
l.c.l., same basis	gal.	20.53	20.59
tanks, same basis	gal.	20.35	—
tax free, dms., c.l., dlvd. E. of Rockies	gal.	.53	—
l.c.l., same basis	gal.	.58	.64
tanks, same basis	gal.	.40	—

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Alcohol, ethyl, absolute, 200 pf., tax paid, dms., c.l., dlvd. E. of Rockies..gal.21.58 - —
l.c.l., same basis..gal.21.63 -21.69
tanks, same basis..gal.21.45 - —
2-Ethylbutyl, dms., c.l., works..lb. .29½- —
c.l. works..lb. .30 - —
tanks, works..lb. .29 - —
2-Ethylhexyl, dms., c.l., dlvd. E.lb. .23¾- —
l.c.l., same basis..lb. .24¾- —
tanks, same basis..lb. .21¾- —
Furfuryl, cns., works..lb. .29 - —
dms., c.l., Cedar Rapids, Ia..lb. .21 - —
Newark, N. J..lb. .21½- —
l.c.l., Cedar Rapids, Ia..lb. .22 - —
Newark, N. J..lb. .22½- —
tanks, Memphis, Tenn..lb. .184 - —
Isoamyl (see Alcohol, amyl, fermentation, refined).
Isobutyl, dms., c.l., dlvd..lb. .14 - —
l.c.l., dlvd..lb. .15 - —
tanks, dlvd..lb. .12 - —
Iso-octyl, dms., c.l., dlvd. E..lb. .23 - —
l.c.l., dlvd. E..lb. .24 - —
tanks, dlvd. E..lb. .21 - —
Isopropyl, refd., 91%, dms., c.l., dlvd..gal. .48 - —
l.c.l., dlvd..gal. .55 - —
tanks, dlvd..gal. .35 - —
95% dms., c.l., dlvd..gal. .50 - —
l.c.l., dlvd..gal. .57 - —
tanks, dlvd..gal. .37 - —
99%, dms., c.l., dlvd..gal. .52 - —
l.c.l., dlvd..gal. .59 - —
tanks, dlvd..gal. .39 - —
Lauryl, bots..lb. 2.00 - 2.50
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl).
Octyl, perfumer's grade, bots..lb. 1.75 - 3.25
tech. (see Octanol, normal).
2-Phenylethyl, extra, dms..lb. 1.14 - 1.45
standard, dms..lb. 1.26 - 1.35
n-Propyl, dms., c.l., dlvd..lb. .12 - —
c.l., dlvd..lb. .13 - —
tanks, dlvd..lb. .10 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Iowa..lb. .54 - —
dms., c.l., Niagara Falls, N. Y..lb. .44½- —
l.c.l., Newark, N. J., Cedar Rapids, Ia..lb. .47 - —
tanks, Niagara Falls, N. Y..lb. .43 - —
indust. grade, dms., c.l., Niagara Falls, N. Y..lb. .305 - —
l.c.l., Newark, N. J., Cedar Rapids, Ia..lb. .33 - —
tanks, Niagara Falls, N. Y..lb. .29 - —
Wood (see Metnanol)
Aldol, 95%, dms., works..lb. .23 - —
denaturing grade, dms..gal. 2.15 - —
Aldrin, 60% soln., dms., c.l., works, frt. alld..lb. .538 - —
l.c.l., works, frt. alld..lb. .588 - —
Aletris root, bgs..lb. 1.75 - 1.85
Algin (see Sodium alginate).
Allethrin, 100%, dms., frt. alld..lb.32.00 - —
90%, dms., frt. alld..lb.28.50 - —
soln., 20%, dms., 100-lb. lots, frt. alld..lb. 6.50 - —
2½%, dms., frt. alld..lb. .90 - 1.25
Allspice (see Pimento).
Allyl bromide, cbys., works..lb. 1.35 - 1.40
Chloride, dms., c.l., dlvd..lb. .17 - —
l.c.l., dlvd..lb. .18 - —
tanks, dlvd..lb. .15 - —
Starch, solid, dms., works..lb. .52¾- .54¾
solution, 40%, toluol-butanol, dms., works..lb. .25½- .26¼
Aloe, Cape, cs..lb. .40 - —
powd., cs..lb. .50 - —
Curacao, kgs..lb. .50 - .55
Socotrine, kgs..lb. No prices
Aloin, USP, bbls., dms., kgs..lb. 3.75 - 3.82
Alphanaphthol (see a-Naphthol).
Alphanaphthylamine (see a-Naphthylamine).
Alphanitronaphthalene (see a-Nitronaphthalene).
Alphapicoline (see a-Picoline).
Alphaterpineol (see a-Terpineol).
Alphatocopherol (see a-Tocopherol).
Alum, ammonium, gran., bgs., works..100 lbs. 4.30 - —
lump, dms., works..100 lbs. 5.05 - —
powd., dms., works..100 lbs. 5.20 - —
USP, burnt, dms..lb. .20 - .21
hydrous, dms..lb. .07¾- .08
Potassium, gran., bgs., works..100 lbs. 4.55 - —
lump, dms., works..100 lbs. 5.30 - —
powd., dms., works..100 lbs. 5.45 - —
USP, burnt, dms..lb. .20 - .21
hydrous, dms..lb. .07¾- .08
Potash-chrome, dms..lb. .17 - —
Sodium, dms., c.l., works..100 lbs. 4.60 - —
l.c.l. works..100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works..lb. .0385- —
l.c.l., works..lb. .0410- .0510
Aluminum acetate, basic soln., 24%, bbls., l.c.l., works..lb. .14 - —
Chloride, coml., anhyd., dms., c.l., works, frt. equald..lb. .15 - —
l.c.l., works, frt. equald..lb. .1550- —
cryst., dms., c.l., works..lb. .1030- —
l.c.l., works..lb. .1070- —
soln., 32°, cbys., c.l., works..lb. .0369- —
l.c.l., works..lb. .0435- .0960
tanks, works..100 lbs. 2.80 - —
NF, gran., dms., works..lb. .29 - .31
Fluoride, tech., anhyd., bgs., c.l., works..lb.15.75 - —
l.c.l., works..lb.16.75 -18.75
Aluminum fluoride in fib. dms. 0.35c. per lb. higher.
Formate, basic soln., cbys..lb. .09½- —
l.c.l., works..lb. .10 - —
Hydrate, heavy bgs., c.l., frt. equald..ton.60.00 - —
l.c.l., works..ton.65.00 -85.00
light bgs. dlvd..lb. .17 - —
Hydroxide, gel, pnarmaceutical, 14-15% Al_2O_3, fib dms., works..lb. .22 - —
contract, works..lb. .21 - —
9-9½% Al_2O_3 fib dms., works..lb. .19 - —
contract, works..lb. .18 - —
dried, USP, XIV, fib., dms., works..lb. .82½- —
contract, works..lb. 79½- —
tech., powder (see Aluminum hydrate).
Metal, 99%+, ingots, 10,000-lb. lots, frt. alld..lb. .222 - —
pigs, 10,000-lb. lots, frt. alld..lb. .205 - —
Oxide, amorpnous (see Alumina, calcined).
Paste, lining, extra-fine, dms..lb. .63½- —
standard, dms..lb. .43 - —
Powder, lining, extra fine, dms..lb. 1.02½- —
standard, dms..lb. .72 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c per lb for 100-lb. dm., 1½c per lb for 50-lb dm., 3c per lb for 10-lb can and 5c to 12c per lb for smaller containers. Deduct 1c. per lb for single shipment of 400 to 1,499 lbs. 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

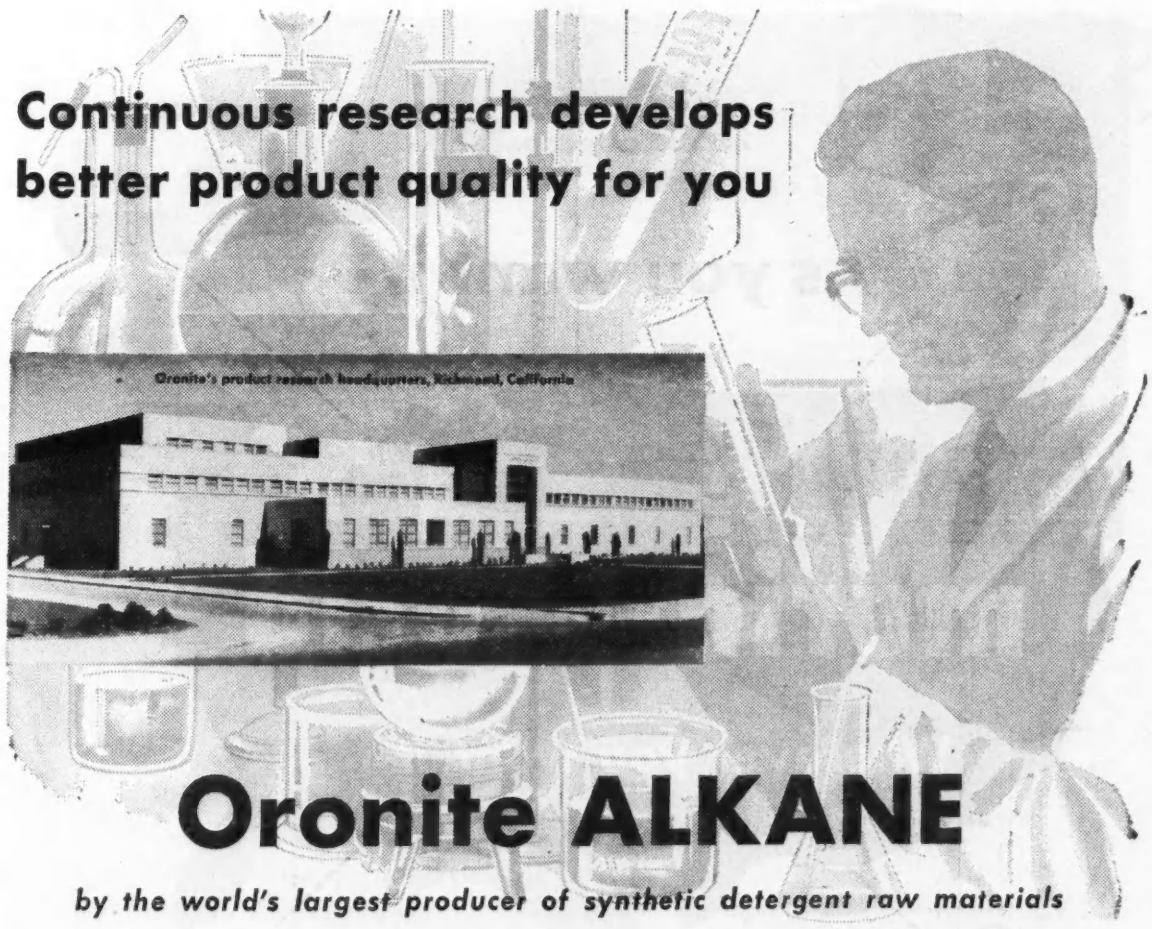
Resinate, precip., 2.1% Al, dms., frt. alld..lb. .30 - —
Stearate, dibasic, ctns., c.l..lb. .33 - —
l.c.l..lb. .34 - .37
monobasic, ctns., c.l..lb. .33 - —
l.c.l..lb. .34 - .37
tribasic, ctns., c.l..lb. .33 - —
l.c.l..lb. .34 - .37

Aluminum sulfate, cml., bulk, c.l., works..100 lbs. 1.85 - —
grd., c.l., bgs., works..ton.37.00 - —
lump, c.l., bgs., works..ton.40.00 - —
iron-free, bgs., c.l., works., frt. equald..100 lbs. 3.55 - —
l.c.l., works, frt. equald..100 lbs. 3.95 - —
USP, gran., dms., works..lb. .16 - .18
powd., dms., works..lb. .22 - .24
Trihydrate, heavy (see Aluminum hydrate, heavy).
Ambergris, gray, bots..oz. 8.00 -10.00
Aminoazotoluene, base, bbls., 100% basis..lb. 1.03 - 1.18
o-Aminobiphenyl, dms., c.l., works, lb. .32½- —
l.c.l., works..lb. .33 - —
tanks, works..lb. .31 - —
Aminoethyl ethanolamine, dms., c.l., dlvd..lb. .46½- —
l.c.l., dlvd..lb. .45 - —
tanks, dlvd..lb. .45 - —
2-Amino-2-methyl-1-propanol, cns., dms., works..lb. .60 - —
m-Aminophenol, dist., dms., ton lots, lb. 2.05 - —
smaller lots..lb. 2.50 - —
p-Aminophenol, dms., frt. alld..lb. .97 - .98
Aminophylline, USP, 100-lb. dms..lb. 3.55 - —
Ammonia, anhyd., fertilizer, tanks, works, frt. equald..ton.85.00 -88.00
pure cyls., extra, zone 1..lb. .18½- —
2..lb. .19 - —
3..lb. .19½- .20
4..lb. .20 - —
5..lb. .21 - —
refrigeration tanks, works, frt. equald..ton.87.50 -90.50

Ammonia, aqueous (29.4% NH_3), dms., c.l., dlvd. Metropolitan area..100 lbs. 3.60 - —
l.c.l., works..100 lbs. 4.00 - —
tanks, works, anhyd. basis..ton.96.00 - —
Ammoniac, sal, gray, bgs., c.l., works, frt. equald..100 lbs. 8.25 - —
l.c.l., same basis..100 lbs. 8.65 -11.15
white gran. (see Ammonium chloride, tech.)
Ammoniacal liquor, tanks, works, anhyd basis..ton.96.00 - —
Ammonium acetate, purif., dms..lb. .38 - —
Benzoate, USP, dms., kgs., 4,000-lb. lots, frt. alld..lb. .80 - —
smaller lots, frt. alld..lb. .81 - 1.08
Biborate, gran., dms., c.l., works..ton.317.00 - —
ton lots, ex whse..ton.390.50 - —
smaller lots, ex whse..ton.395.50 - —
Bicarbonate, dom., dms., c.l., works..100 lbs. 6.50 - —
l.c.l., works..100 lbs. 7.50 - —
imp., dms., l.c.l..lb. .07¼- .08½
Bichromate, dms., works..lb. .42 - .43
Bifluoride, dms., dlvd..lb. .2145- .2245
Bromide, NF, gran., bbls..lb. .38 - .39
dms..lb. .39 - .42
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms..lb. .23 - .24
Chloride, tech., white, gran., bgs., c.l., works..100 lbs. 5.25 - —
l.c.l., works..100 lbs. 7.00 - —
USP, gran., bbls., dms..lb. .17½- —
Citrate, dibasic, bbls..lb. .75 - —
dms..lb. .80 - .85
Dichromate (see Ammonium bichromate).
Fluoride (see Ammonium bifluoride).

Alcohol, Ethyl, Absolute—Ammonium Sulfate

Ammonium hydroxide (see Ammonia, aqueous).
Hypophosphite, NF, dms..lb. 3.07 - —
Iodide, NF, dms., bots..lb. 4.26 - 4.38
Linoleate, 80%, dms., works..lb. .50 - 55
Nitrate, dom., fertilizer grade, 33.5% N., bgs., western, works, frt. equald..ton.68.00 -70.00
with dolomite, 20.5% N, bgs., Hopewell, Va..ton.51.00 - —
imp., Canadian, 33.5% N, eastern, bgs., c.l., ship't point, frt. equal to $3 per ton..ton.74.50 - —
western, bgs., c.l., f.o.b. cars, Los Angeles..ton.39.84 —
Oxalate, fine gran., dms..lb. .28½- .31
Pentaborate, gran., dms., c.l., works..ton.227.00 - —
ton lots, ex whse..ton.300.50 - —
smaller lots, ex whse..ton.303.50 - —
Ammonium pentaborate powder $10 per ton higher
Perchlorate, kgs., works..lb. .50 - .75
Persulfate, kgs..lb. .38 —
Phosphate, coml., bgs., c.l., works, frt. equald..lb. .0865- —
l.c.l., same basis..lb. .09 —
dibasic, NF V bois, dms..lb. .45 —
tech., bgs., c.l. works, frt. equald..lb. .0865- —
l.c.l., same basis..lb. .0915 —
Salicylate, NF, dms., kgs..lb. 1.62 - 1.64
Silicofluoride, dms., works..lb. .11 .12
Sulfamate, bbls., dms., works..lb. .18 .20
Sulfate, coke-oven, bulk, producing ovens..ton.42.00 -47.50
syn., bgs., c.l., western, works..ton.44.00 - —
bulk, works..ton.42.00 - —
purif., dms., works..lb. .08½- .10



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Oronite's continuous multi-million dollar research and product development program results in a continually advanced Alkane. Current Oronite Alkane provides a higher yield, is also easier to sulfonate. The sulfonated product has a better color with a minimum oil content. A further Oronite achievement aids in drying the end product at higher production rates.

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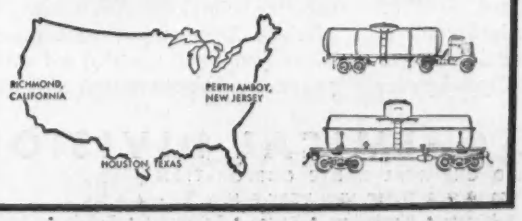

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ORONITE CHEMICAL COMPANY

Ammonium Sulfide—Bismuth Metal

Ammonium sulfide, liq., 40-44%, dms., c.l., frt. equald., 100% basis ton 240.00 - —
l.c.l., works, 100% basis, ton 280.00 - —
tanks, frt. alld., 100% basis, ton 180.00 - —
Sulfocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works lb. .20 - —
l.c.l., works lb. .22 - .26
Thioglycollate, comL, cbys., 100% basis lb. 1.60 - —
highly purif., cbys., 100% basis, lb. 1.70 - 1.96
Thiosulfate, cryst., photo grade, lb. dms., frt. alld lb. .65 - —
60% soln., dms., c.l., works lb. .03½- —
d-Amphetamine hydrochloride dibasic, bots lb. 28.00 - —
dl, dms lb. 6.00 - —
d-monobasic, bots lb. 28.00 - —
d-Phosphate, dibasic, bots lb. 28.00 - —
dl, dms lb. 6.00 - —
d-Sulfate, dms lb. 28.00 - —
dl, dms lb. 6.00 - —
Amyl acetate, ex fusel oil, tech., frt. alld E. of Rockies lb. .17 - —
l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15 - —
ex pentane, reg., dms., c.l., dlvd. lb. .17 - —
l.c.l. same basis lb. .18 - —
tanks, same basis lb. .15 - —
tech., dms., c.l., dlvd. lb. .15 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
Alcohol (see Alcohol amyl).
n-Butyrate, dms lb. .90 - 1.25
Amyl cinnamic aldehyde, dms. lb. 1.70 - 2.00
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .74 - 1.05
o-tert-Amyl phenol, dms., c.l., works, lb. .43¾- —
l.c.l., works lb. .46¾- —
tanks, works lb. .41¾- —
p-tert-Amyl phenol, dms., c.l., works, lb. .24¾- —
l.c.l., works lb. .25¾- —
tanks, works lb. .23¾- —
Anethole, NF, cns., dms lb. 1.25 - 1.55
tech., dms lb. .75 - 1.20
Angelica root, dom., bls lb. .60 - .70
Aniline oil, dms., c.l., works, frt. alld. lb. .21 - —
l.c.l., works, frt. alld lb. .22 - —
tanks, works, frt. alld lb. .20 - —
Salt, dms., frt. alld lb. .33 - —
c.l., truckloads, 20,000 lbs. min. lb. .24 - —
Anise, Mexican, bgs lb. .23 - .24
Spanish, bgs. lb. .33 - —
Syrian, bgs. lb. Nominal.
Anisic aldehyde, bots., dms. lb. 1.80 - 2.70
o-Anisidine, dms., works lb. .88 - —
p-Anisidine, dms., works lb. .97 - —
Annatto seed, whole, bgs. lb .24 - —
powd., dms. lb. .28 - —
Anthracene, 90-95%, bbls., ton-lots, works lb. .70 - —
smaller lots, works lb. .95 - —
Anthraquinone, 99.5%, bbls., frt. alld lb. .88 - —
Antimony butter (see Antimony trichloride)
Metal, bulk, c.l., mines lb. .28½- —
cs., c.l., mines lb. .29 - —
Oxide, bgs., c.l., frt. alld lb. .29 - —
l.c.l., frt. alld lb. .30½- —
Antimony sulfide, approx. 60%, bgs., dlvd lb. .27 - .30
Trichloride, anhyd., pails, c.l., works lb. .38½- —
l.c.l., works lb. .40½- —
Antimony potassium tartrate, tech., gran. or powd., dms. lb. .59 - .62
USP, powd., dms lb. .64 - .65
Antipyrine, NF, dms lb. 2.50 - 2.70
Apomorphine hydrochloride, USP, bots oz. 23.40 - 23.90
Areca nuts, powd., bbls lb. .15 - .16
Arecoline hydrobromide, NF, bots, tins oz. 4.50 - 6.00
l-Arginine monohydrochloride, dms., 1-kilo lots kilo 74.80 - 83.00
Argols, min. 50%, bgs., shipt. ports per 100 kilos, 100% basis 25.00 - —
Arnica flowers (true montana), bls. lb. 2.50 Nom.
Arsenic metal, lump, bbls., prompt ship't lb. .60 - —
Trioxide, USP, dms lb. .48 - —
White, powd., bbls., c.l., dvld lb. .05½- —
l.c.l., dlvd lb. .06½- .07½
Asafetida, cs. lb. .36 - .39
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.)
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton 1,300.00 - —
No. 2, c.l. (20 tons), mines ton 675.00 - —
Run-of-mine, c.l., (20 tons), mines ton 556.00 - —
3K, c.l. (20 tons), mines ton 436.00 - —
3R, c.l. (20 tons), mines ton 371.00 - —
3T, c.l. (20 tons), mines ton 348.00 - —
3Z, c.l. (20 tons), mines ton 321.00 - —
4K, c.l. (20 tons), mines ton 173.00 - —
4M, c.l. (20 tons), mines ton 173.00 - —
4T, c.l. (20 tons), mines ton 156.00 - —
4Z, c.l. (20 tons), mines ton 156.00 - —
5D, c.l. (20 tons), mines ton 122.50 - —
5K, c.l. (20 tons), mines ton 122.50 - —
Asbestos, Canadian, crude, 5M, c.l., (20 tons) mines ton 116.50 - —
5R, c.l. (20 tons), mines ton 110.00 - —
6D, c.l. (30 tons), mines ton 78.00 - —
7D, c.l. (30 tons), mines ton 68.50 - —
7F, c.l., (30 tons), mines ton 65.00 - —
7H, c.l. (30 tons), mines ton 55.00 - —
7K, c.l. (30 tons), mines ton 46.00 - —
7M, c.l., (30 tons), mines ton 40.00 - —
7R, c.l. (30 tons), mines ton 39.00 - —
7T, c.l. (30 tons), mines ton 37.00 - —
7RF, c.l. (30 tons), mines ton 40.00 - —
7TF, c.l. (30 tons), mines ton 40.00 - —
7S, c.l., (30 tons), mines ton 27.00 - —

Asbestos c.l. prices are in U. S. funds, l.c.l., lots, $4 per ton higher.

Asphalt, gilsonite, black, jet, bgs., c.l., mines ton 37.00 - —
select, 350°F., fusing pt., bgs., c.l., mines ton 38.00 - —
270°-295°F., fusing pt., bgs., c.l., mines ton 37.00 - —
seconds, 300° 390°F fusing pt., bgs., c.l., mines ton 32.00 - —
Manjak, No. 10, crude, dms., works lb. .06¼- —
Petroleum, cut-back, tanks, tankwagon, refy gal. .09 - —
emulsion, tanks, tankwagon, refy gal. .09½- .10
steam-refd., less than 80 penetration tanks, tankwagon refy ton 21.00 - —
80-300 penetration, tanks, tankwagon, refy ton 20.00 - —
Aspirin (see Acid, acetylsalicylic).
Atropine, USP, bots oz. 7.00 - —
Sulfate, USP, bots oz. 4.00 - —

B

Bacitracin, bulk, 1,000,000,000 or more units 50,000 units .70 - —
less than 1,000,000,000 units 50,000 units .75 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barberry root, bark, bags lb. .28 - .30
Barbital, USP, 100-lb. dms lb 4.50 - —
Sodium, USP, dms lb. 4.75 - 4.77
Barium carbonate, precip., bgs., c.l., works ton 92.50 - —
smaller lots works ton 102.50 - —
Chlorate kgs., works lb .32 - .36
Chloride, anhyd., bgs., c.l., works, ton 158.00 - —
l.c.l. works ton 168.00 - —
cryst., tech., dms., c.l., works 100 lbs. 6.00 - —
l.c.l., works 100 lbs. 6.50 - —
NF, cryst., dms lb. .18 - —
Chromate, bgs., frt. equald lb. .35 - —
Dioxide (see Barium peroxide).
Hydrate, cryst., bgs ton 180.00 - 190.00
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .12½- —
l.c.l., works lb. .14 - —
Oxide, grd., dms., c.l., frt. equald ton 255.00 - —
l.c.l., works ton 265.00 - —
Peroxide, dms., works lb. .16 - —
Stearate, cns., c.l., frt. equd lb. .37 - —
l.c.l., same basis lb. .38 - .43
Sulfate, tech. (see Barytes and Blanc fixe).
X-ray, dms lb. .14 - .14½
Sulfide, dms., c.l., works ton 85.00 - —
l.c.l., works ton 95.00 - —
Barytes, Southern off-color, bgs., mines ton 25.00 - —
95.75%, bgs., mines ton 25.00 - —
water-grd., paper bgs., c.l., E. St. Louis ton 41.60 - —
ex-whse., N. Y. ton 60.10 - —
Bauxite, bulk, mines ton 9.50 - 10.00
Bay leaves (see Laurel leaves).
Belladonna leaf, bls lb. .35 - .37
root, bls lb. .45 - .50
Bentonite, dom., 200 mesh bgs., c.l., mines ton 14.00 - —
imp., Italian, white, high gel., bgs., 5-ton lots, ex whse. ton 80.60 - —
1 ton-lots, ex whse ton 83.10 - —
low gel, bgs., 5 ton-lots, ex whse. ton 78.95 - —
1 ton-lots, ex whse ton 81.45 - —
Benzal chloride, cbys., works lb. .22 - .23¼
Benzaldehyde, NF, dms lb. .74 - 1.05
tech., cbys., dms lb. .44 - —
Benzene (see Benzol).
Hexachloride, 25% and 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit-lb. .0075- .009
l.c.l., works, gamma unit-lb. .015 - —
wet dust, distributors, dms., c.l., dlvd., gamma unit-lb. .02 - —
l.c.l., dlvd., gamma unit-lb. .021 - —
Benzidine hydrochloride, bbls., frt. alld., 100% basis lb. 1.00 - —
Benzocaine, dms lb. 3.48 - 3.50
Benzol, pure or nitration, tanks, works
Bethlehem, Pa gal. .40 - —
Birmingham district gal. .40 - —
Chicago district gal. .40 - —
Cleveland district gal. .40 - —
Geneva, Utah gal. .40 - —
Johnstown, Pa gal. .40 - —
Lackawanna, N. Y. gal. .40 - —
Lone star, Texas gal. .40 - —
Lorain, Ohio gal. .40 - —
Minnequa, Colo gal. .39 - —
Philadelphia district gal. .40 - —
Pittsburgh district gal. .40 - —
Sparrows Point, Md. gal. .40 - —
Syracuse, N. Y. gal. .40 - —
Terre Haute, Ind gal. .40 - —
Youngstown, Ohio gal. .40 - —
Benzophenone dms lb. 1.40 - 1.70
Benzonitrile, dms., c.l., works lb. .46¾- —
l.c.l., works lb. .47 - —
Benzotrichloride, cbys., frt. equald. lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald. lb. .22 - —
l.c.l., same basis lb. .23 - —
tank trucks, dlvd. Metropolitan area lb. .20 - —
Peroxide, purif., fib. dms., 50-1,000-lb. lots, works lb. .98 - 1.08
Benzyl acetate, f.f.c., cns., dms. lb. .62 - 1.04
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms. lb. .62 - 1.10
Chloride, tech., cbys., dms., c.l., works, frt. equald lb. .20½- .23¼
l.c.l., same basis lb. .21½- .24¼
High grade benzyl chloride, 2c. higher.
Cinnamate, cns. lb. 3.35 - 3.90
Formate, cns. lb 1.30 - 2.10
Isoeugenol, cns. lb. 8.60 - 9.10
Propionate, bots. lb. 1.35 - 1.65
Salicylate, bots. lb. 1.50 - 1.85
Benzylidine acetone, bots lb. 1.68 - 1.80
Chloride (see Benzal chloride).
Berberine bisulfate, cns. lb. 35.00 - 36.25
Hydrochloride, bots lb. 35.00 - 36.25
Betagammapicoline (see b.g-Picoline).
Betamethylnaphthalene (see b-Methylnaphthalene)
Betanaphthol (see b-Naphthol).
Betanaphthylamine (see b-Naphthylamine).
Betaphenylethylamine (see b-Phenylethylamine)
BHC (see Benzene hexachloride, technical).
Biotin cryst., bots gram 10.00 - —
Biphenyl (see Diphenyl).
Bismuth chloride, jars lb. 5.11 - —
Hydroxide, dms. lb. 4.65 - —
Metal, bxs., ton lots lb. 2.25 - —

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PETROLEUM—for oil well acidizing; treating catalysts
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METALS — for pickling; descaling; plating
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Bismuth nitrate, cryst., dms. lb. 2.10 - 2.17
Oxide, anhyd., dms. lb. 4.47 - 5.05
Oxychloride, dms. lb. 4.37 - 4.42
Phenolsulfonate, fib. dms. lb. 5.22 - —
Subcarbonate, USP, dms lb. 3.20 - —
Subgallate, NF, fib. dms lb. 3.15 - —
Subiodide, fib. dms. lb. 5.37 - —
Subnitrate, NF, dms lb. 2.65 - —
Subsalicylate, USP, dms lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Black, acetylene, bgs., c.l., works lb. .17 - —
cs., l.c.l., shipt. point lb. .22½ - .26
Ash (see Barium sulfide).
Bone, dms. l.c.l., frt. alld. lb. .17 - .23¼
Pacific coast bone black prices, 2c. per lb higher
Carbon, channel, pigment, high color, beads ctns., c.l., works. lb. .72 - —
l.c.l., dlvd. or whse. lb. .78 - —
medium color, uncompressed, bgs., c.l., works lb. .12 - —
l.c.l., dlvd or whse. lb. .19 - —
rubber, beads, bulk, c.l., works lb. .07 - —
bgs., c.l., works lb. .074 - —
l.c.l., works lb. .1225- —
furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l., whse lb. .10 - —
high abrasion, bulk, c.l., works. lb. .0750- —
bgs., c.l., works lb. .0790- —
l.c.l., dlvd. or whse lb. .122 - .123
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .045 - —
bgs., cns., l.c.l., whse lb. .085 - —
Black, Charcoal (see C.).
Dyes (see Dyes).
Graphite (see G).
Iron oxide, pure, bgs. c.l., works. lb. .12¾- —
l.c.l., works lb. .13 - —
Lamp, bgs., c.l., works lb. .16 - .45
Mineral, bgs., works lb. .0160- .0675
Blackberry root bark, bls lb. .45 - —
Black haw root bark, bls lb. .65 - .70
tree bark, bls lb. .40 - .45
Blanc fixe, dry, byproduct, bgs. c.l., works ton 190.00 - —
l.c.l., works ton 200.00 - —
direct process, bgs., c.l., works ton 100.00 - —
l.c.l., works ton 110.00 - —
N. Y. whse ton 140.88 -165.00
pulp, 70%, bbls., c.l., works. ton 105.00 - —
l.c.l., works ton 115.00 - —
Bleaching powder, dms., c.l., works. 100 lbs 5.02 - —
l.c.l., works 100 lbs 6.52 - —
Blood, dried, 16-16½% ammonia, bgs. unit-ton 8.00 - —
high-grade unground, 16-17% ammonia, bgs., Chicago. unit-ton 7.75 - —
soluble, bgs., c.l. lb. .17 - .19
l.c.l. lb. .18 - .25
Bloodroot, bls lb. .60 - .65
Blue alkali, dry, bbls., dlvd. N. or Tenn. and N. C., & of Miss R. including St. Paul Minneapolis, Davenport Rock Island, St. Louis fb 2.60 - —
toner bbls. lithe flushed same basis lb. 1.15 - —
Chinese, bbls., same basis lb. .48 - —
Cobalt, genuine, bbls., same basis. lb. 4.90 - —
Imitation (see Blue ultramarine).
Dyes (see Dyes).
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda).
Methyl violet toner, molybdated, PMA, bbls., same basis lb. 2.60 - —
tungstated, PTMA, bbls. same basis lb. 3.85 - —
Milori, bbls., same basis lb. .48 - —
Peacock, fugitive, 100% color strength, bbls., same basis lb .75 - —
Phthalocyanine, full strength, bbls., same basis lb. 3.45 - —
resinated, bbls., same basis lb. 3.00 - —
water dispersable, bbls., same basis lb. 1.54 - —
Potash, CP, bbls. same basis lb. .58 - —
Prussian, insoluble, bbls., same basis lb. .48 - —
soluble, bbls., same basis lb. .48 - —
Soda, CP, bronze, bbls., same basis lb. .56 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .30½- .35
jobbing types, bbls., same basis. lb. .16½- .18½
reg. types, dry, bbls., same basis. lb. .22½- .35
Victoria toner, molybdated, PMA, bbls lb. 4.10 - —
tungstated, PTMA, bbls. lb. 5.00 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c. higher Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blue vitrol (see Copper sulfate).
Bluestone (see Copper sulfate).
Bonemeal, steamed, works, E. ton 65.00 -68.00
Los Angeles ton 82.00 - —
Bone phosphate defluorinated (see D)
of lime (see Calcium phosphate, tribasic).
precipatated (see Calcium phosphate tribasic, NF, precip.).
Borax, tech., anhyd., bgs., c.l., works. ton 76.00 - —
ton lots ex whse. N. Y. or Chicago ton 125.75 - —
bulk, c.l., works ton 70.00 - —
cryst., 99%, bgs., c.l., works. ton 67.25 - —
ton lots, ex-whse., N. Y. or Chi ton 115.00 - —
smaller lots, same basis. ton 120.00 - —
gran., decahydrate, 99½%, bgs., c.l., works ton 41.25 - —
ton lots, ex whse., N. Y. Chi ton 89.00 - —
smaller lots, same basis. ton 94.00 - —
bulk, c.l., works ton 35.75 - —
pentahydrate, 99½%, bgs., c.l., works ton 55.50 - —
ton lots, ex whse, N.Y., Chi ton 108.25 - —
smaller lots, same basis. ton 103.25 - —
powd., 99½%, bgs., c.l., works. ton 46.25 - —
ton lots, ex-whse., N. Y. or Chi. ton 94.00 - —
smaller lots, same basis. ton 99.00 - —
Borax packed in kgs., $45.50 per ton higher than in paper bgs.; in barrels, $24.50 higher. USP borax $15 per ton higher.
Bordeaux mixture, bgs., c.l., works, frt alld. or nearest whse. pt. lb. .18 - .24
l.c.l., same basis lb. .19 - .26

Borneol, cns. lb. 2.50 - 4.50
Borontrifluoride gas, cyls., truckload, works lb. .62 - —
ters truckload, works lb. .70 - —
Brazilwood extract (see Hypernic extract)
Brimstone (see Sulfur).
Bromine, purif., cs., c.l., dlvd, E. of Rockies lb. .27 - —
l.c.l. up to 1,000-lb. lots, same basis lb. .29 - —
dms. lead-lined, dlvd lb. .34 - —
Bromoform, pharmaceutical grade. bots lb 1.62 2.60
cbys. lb. 1.52 - —
Bromstyrol, bots lb. 5.40 - 5.70
Bronze powder aluminum (See A).
Brown iron oxide pure, bgs., c.l., works lb. .13¾- —
l.c.l. works lb. .14 - —
Oxide, metallic, bgs, works lb. .04 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- 15¼
l.c.l. works lb. .04½ 15½
raw paper bgs. c.l. works lb. .04½ 13
l.c.l. works lb. .04¾ 13¼
Umber, burnt, American, bgs., c.l., works lb. .06 —
l.c.l., works lb. .06¼- .07
Turkey type bgs c.l. Boston, Bethlehem, Easton, Pa., Hiwassee, Va. N. Y lb. .06¾ —
l.c.l., works lb. .07 - —
raw, American bgs works lb .06¼ 06½
Turkey-type bgs., works lb. .06¾ .07
Vandyke bbls works lb .09½ 12
Brucine, cns., 100-oz. lots oz. .20 - .25
Sulfate, NF, cns., 100-oz. lots oz. .15 - .20
Buchu leaves, bls lb. .50 - —
Butadiene refd., cyls., refy lb. .22 - —
tanks, refy lb. .15 - —

Butane, indust., tanks, group 3 gal. .03½- —
N. Y. harbor gal. .08 - —
n-Butyl acetate, ferment., dms., c.l., frt. alld lb. .15 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
n-synthetic, dms., c.l., dlvd. E. lb. .15 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
sec-synthetic, dms., c.l., dlvd. E. lb. .12½- —
l.c.l., same basis lb. .13¼- —
tanks, same basis lb. .10¾- —
Alcohol (see Alcohol n-Butyl).
Aldehyde (see Butyraldehyde).
Chloride, dms., c.l., works lb. .37½- —
l.c.l. works lb. .38 - —
n-Ether, dms., c.l., works lb. .31½- —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Lactate dms., c.l., frt. alld. E. of Rockies lb. .35 - —
l.c.l., same basis lb. .36 - —
tanks, same basis lb. .33 - —
Laurate, dms., works lb. .39 - —
Methacrylate normal, dms. less truckloads works lb. .70 - —
Oleate, refd., dms., l.c.l., works lb. .32 - —
Phenylacetate dms lb 4.50 4.60
Phthalate (see Dibutyl phthalate).
Stearate dms. l.c.l. frt equald lb. .24 - .27
Butylamine (see mono-d- and tri-).
6-tert-Butyl-m-cresol, dms., c.l., works lb. .49 - —
l.c.l., works lb. .50 - —
tanks, works lb. .48 - —
p-tert-Butylphenol, bgs., c.l., works. lb. .25½- —
l.c.l., works lb. .26½- —

Butyraldehyde, dms., c.l., dlvd lb. .21½- —
l.c.l. dlvd lb. .22½- —
tanks, dlvd lb. .19½- —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter)
Cadmium iodide, 25-lb. fib. dms lb. 6.75 - 7.05
Metal ingots or sticks, cs., dlvd. lb. 1.70 - —
Caffeine, nat., USP, cryst., dms., 100-lb. lots or more lb. 3.15 - —
anhyd., dms. lb. 3.35 - —
syn., anhyd., dms., 100-lb. lots or more lb. 3.35 - —
hydrous, dms., 100 lbs. or more lb. 3.15 - —
citrated, USP, dms., 100-lb. lots or more lb. 2.90 - —
Calamine, USP, dms lb. .34 - —
Calciferol, cryst., vials, 1-kilo lots, works gram .75 - —
25 to 100 gram lots, works. gram .80 - .90
in edible oil (see Viosterol).
Calcium p-aminosalicylate, fib., dms., 1,000 lb. lots, frt. adjusted lb. 7.00 - —
smaller lots, same basis lb. 7.05 - 7.50
Arsenate, dealers, dms., c.l., whse. works, frt. alld. on 96 lbs or over lb. .09 - .10
l.c.l., same basis lb. .10 - —
Bromide, NF, jars lb. .90 - .97
Carbide, standard generator size, dms., c.l., dlvd ton 134.40 - —

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HEYDEN
CHEMICALS...
...may help
you make a
GOOD product
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Benzaldehyde
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Benzyl Chloride
Benzoates
Bromides
Creosotes
Formaldehyde
Glycerophosphates
Guaiacols
Methenamine
Parasepts
Propyl Gallate
Resorcinol
Saccharin
Salicylamide
Salicylates
Tolyl Aldehyde
The Heyden products listed here have long been recognized for their high purity and uniformity by production and research men in the drug, pharmaceutical and process industries. One of these chemicals may be the intermediate you need to give your product better quality and sales appeal. Samples and further information are available upon request.
HEYDEN CHEMICAL CORPORATION
342 Madison Avenue · New York 17, N. Y.
CHICAGO · CINCINNATI · DETROIT · PHILADELPHIA · PROVIDENCE · SAN FRANCISCO
FINE HEYDEN CHEMICALS

Calcium Carbonate—2-Chloro-4-Nitroaniline

Calcium carbonate, nat., dry-grd., air floated, 325 mesh, bgs., c.l., works ton. 7.50 -10.00
chalk, whiting, 325 mesh, bgs., works ton 32.00 -34.00
water-grd., ½ to 0 microns, bgs., c.l., works ton 30.00 —
10 to 20 microns, bgs., c.l., works ton 17.00 -18.00
precip., dense, bgs., c.l., works, ton 30.00 -33.00
l.c.l., works ton 40.00 -45.00
medium, bgs., c.l., works ton 35.00 —
l.c.l., works ton 45.00 -50.00
surface treated, bgs., c.l., works ton 35.00 -50.00
l.c.l., works ton 45.00 -65.00
ultrafine, bgs., c.l., works, ton 110.00 160.00
l.c.l., works ton 120.00 175.00
Chloride, cryst., purif., dms lb. .27 - —
flake, 77-80% paper bgs., c.l., works, frt equald ton 27.00 - —
liquor, 40%, tanks, frt. equald, ton 11.35 - —
pellets, bgs., c.l. works ton 33.00 - —
powd., bgs., c.l., works ton 37.65 - —
solid, 73-75% dms c.l., frt equald ton 25.50 —
l.c.l. works same basis ton 34.00 -71.00
USP, gran., dms lb. .40 —
Chromate bgs frt equald lb 29½ .30
Cyanide, dms., dlvd. E. of Rockies, lb. .24 - .50
Gluconate, AA bbls. dms lb. .70 .72
USP, bbls., dms lb. .53 .65
Glycerophosphate, NF, fib. dms, lb. 2.30 - 2.45
Hydride, dms., works lb. 2.15 - 3.00
Hypochlorite, high test, cased (45 lbs.), dlvd. E. of Rockies cs. 22.60 -24.75
dms., 100-lb., same basis dm. 28.65 -32.50
Hypophosphite, dms., ton lots or less lb. .90 - .93
Iodide, jars lb. 4.52 - —
Lactate, USP, dms., 10,000-lb. lots or more, works lb. .40 - —
smaller lots, works lb 41 .45
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4%, Ca, dms., frt. equald lb. .27½- —
Nitrate, fertilizer grade, bgs., c.l., Los Angeles ton. 48.00 - —
tech., dms., works lb. .13 - —
d-Pantothenate, jars, 100-gram lots or more, frt. adjusted, gram .07½- —
Para-aminosalicylate (see Calcium p-Aminosalicylate).
Phenolsulfonate, dms lb. .70 - —
Phosphate, dibasic, USP, bgs., c.l., 100 lbs 7.10 —
l.c.l 100 lbs 7.60 7.95
feed grade, 18½ to 21 units, bgs., c.l., works ton. 74.00 -84.00
l.c.l., bgs., works ton. 85.00 -95.00
monobasic, bgs., 10,000-lb. lots, works, frt. equald 100 lbs. 6.05 - —
smaller lots, same basis, 100 lbs. 6.55 - —
tribasic, precip., NF, bgs., c.l., works 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 7.95 - —
Phytate, bgs., works lb. .37 - —
Resinate, precip., dms., frt. alld., works lb. .30 - —

Calcium silicate, hydrated, bgs., c.l., works lb. .06 - —
l.c.l., works lb. .06½- —
paint grade, fine, bgs., c.l., works ton. 39.50 - —
l.c.l., ex whse ton. 56.00 - —
medium, bgs., c.l., works, ton. 27.00 - —
l.c.l., ex whse ton. 44.00 - —
Stearate, ctns., c.l. lb. .35 - —
l.c.l. lb. .36 - .40
Sulfate (see Gypsum)
Calomel, USP, powd., dms lb. 5.42 - —
Camphene 46° m.p., dms., incl., c.l., works lb. .10½- —
l.c.l., same basis lb. .12 - .20
tanks, same basis lb. .08 - —
Chlorinated, 67-69% (see Toxaphene).
Camphor monobromated, NF, dms., kgs lb 3.00 3.12
nat., USP, powd., cs., 100-lb. lots, lb. .60 - .65
tablets, 1-oz., ½-oz. cs lb. .75 - .80
syn., tech., 1 bbl. or more lb. .52 - —
USP, gran., powd., bbls, 2,000-lb. lots lb. .59 - —
1,000-lb. lots lb. .60 - —
smaller lots lb. .61 - —
tablets, tins, 2,000-lb. lots lb. .85 - —
1,000-lb. lots lb. .86 - —
smaller lots lb .87 - —
Canada balsam (see Fir balsam)
Cantharides, Chinese, cs lb 2.00 2.05
powd. bxs. lb 2.25 2.30
Russian, bgs. lb 4.00 4.05
powd., bxs. lb 4.35 4.40
Capsicum (see Pepper, red).
Oleoresin NF from domestic pepper, dms lb. 4.50 - 5.25
from African pepper, dms lb. 4.35 5.00
Caraway seed, Dutch, bgs lb. .18¾- —
Carbazole, 97%, bbls., ton lots, works lb. 1.05 - —
Carbinol, methyl isobutyl (see Methyl isobutyl carbinol).
Carbon dioxide, indust., wholesale, bulk, dlvd. metropolitan area, ton. 73.00 -115.00
cyls., same basis lb. .08 - —
solid, same basis lb. .035 - .040
Disulfide, 55-gal. dms., c.l., works, frt. alld. to competitive points lb. .0750- —
l.c.l., same basis lb. .0850- —
5-gal. dms., c.l. same basis lb. .1025- —
l.c.l. same basis lb. .1125- —
tanks, same basis lb. .0515- .0525
Tetrachloride, CP, dms., frt. alld. lb. .10½- .12¼
tech., consumers, dms., c.l., E. Rockies, frt. alld lb. .10 - —
W. of Rockies, f.o.b., stockpoints lb. .10½- —
l.c.l., E. of Rockies, frt. alld. alld lb. .11¾- —
W. of Rockies, f.o.b., stockpoints lb. .12¼- —
tanks, E. of Rockies, frt. alld. lb. .085 - —
W. of Rockies, f.o.b. stockpoints lb. .09 - —
Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms., 100-lb. lots, works lb 4.00 - 4.25
smaller lots, works lb. 4.10 - 4.75

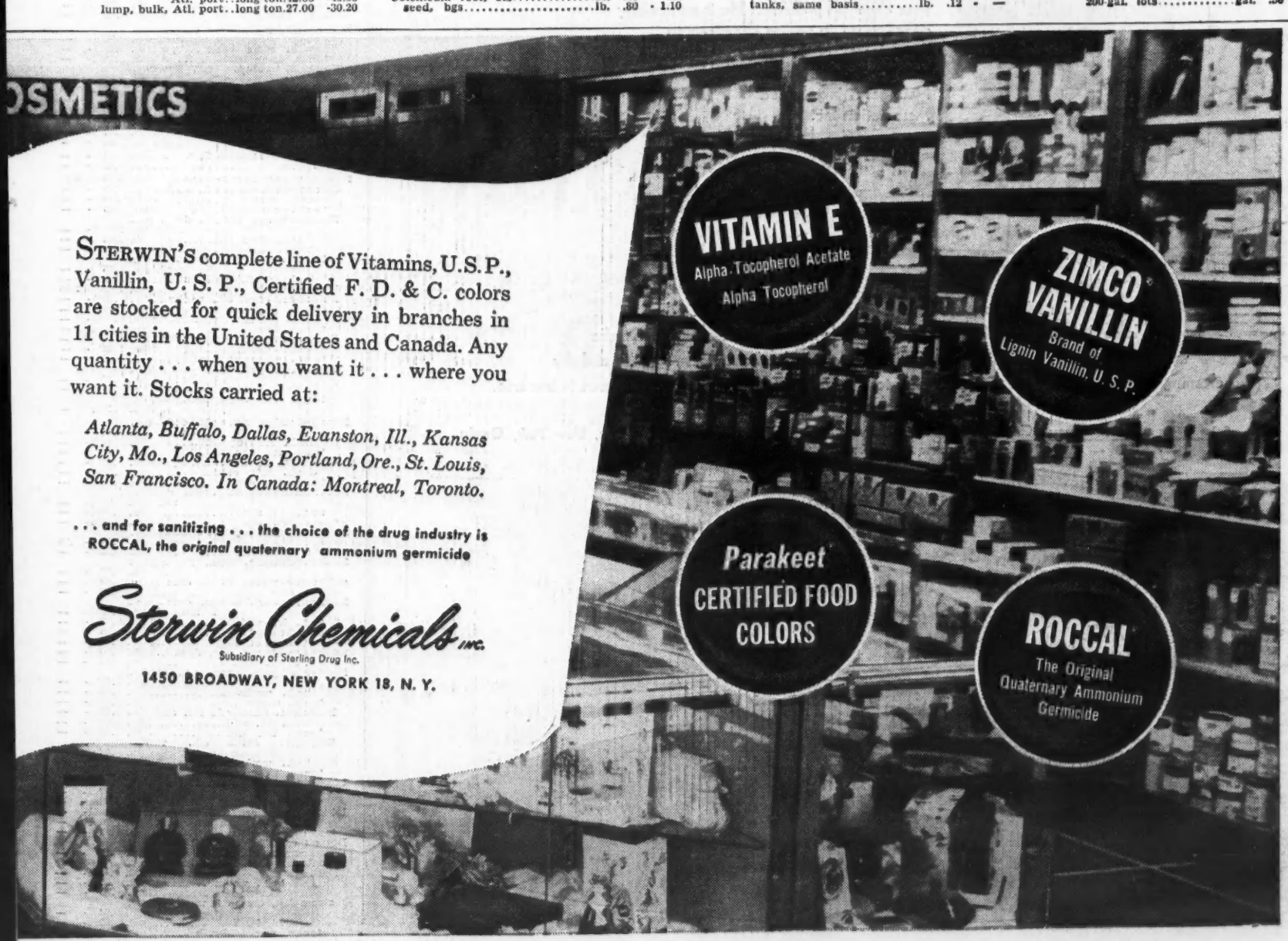
Cardamom fruit, selected, bleached, A, cs lb. 3.75 - —
B, cs. lb. 3.30 - —
decorticated, Alleppey, cs lb. 1.85 - —
Guatemalan, cs. lb. 1.90 - —
green, Alleppey, bgs lb. 1.85 - —
Ceylon, bgs lb. 1.85 - —
seed (see Cardamom fruit decorticated).
Carmine, No. 40, NF, bulk, 100-lb. lots or more, dlvd lb. 7.80 - —
smaller lots, dlvd. lb. 7.95 - 8.45
Carotene, tech., 1,350,000 A units per gram, tins, works gram. .55 - —
in carrot oil, 5,000,000 to 8,000,000 A units per lb., dms., works, million units. .18 - —
microcrystalline in oil, 400,000 A units per gram, tins, works million units. .33 - —
Carvol, bots. lb. 4.75 - 9.65
Cascara sagrada bark, bulk lb. .30 - .31
Casein, dom., acid precip., standard, bgs., 10,000-lb. lots or more, shipt. point lb. .27 - .30
premium, bgs., 10,000-lb. lots or more, shipt. point lb. .35 - .40
imp., Argentine, acid-precip., grd., 100-lb. lots or more, duty paid lb. .20 - .21
Cashewnut shell liquid, treated, dms., c.l., Newark, N. J lb. .22 - —
ton lots, same basis lb. .23 - —
dm. lots, same basis lb. .25 - —
Cassia, Batavia, cuttings, bls lb. .16¾- .17
longstick, cracked, bls lb. .18½- .19
shortstick, cracked, bls lb. .17½- .17¾
Saigon, broken, bls. lb. Nominal
medium, reconditioned, bls lb. Nominal
thin, bls. lb. Nominal
Castor beans, bgs., f.o.b. Brazilian ports, long ton. 100.00 -105.00
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton. 30.00 Nom.
Castoreum, nat., cns. lb. 5.00 -30.00
syn., cns lb. 9.00 - —
Catechol, CP, cryst., fib. dms., works lb 2.17½- —
resub., dms., works lb. 4.29½- —
Catnip leaves, Southern, bls lb. .75 - —
Celery seed, French, bgs., shipt. lb. .48 - —
Indian, bgs. lb. .15½- .16
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, powd., ctns., bgs., 100-lb. lots or more, dlvd. E lb. .35 - .46
Butyrate, powd., 17% butyryl content, bgs., dlvd. E lb. .545 - .555
27% butyryl content, bgs., dlvd. E lb. .595 - .605
38% butyryl content, bgs., dlvd. E lb. .545 - .555
50% butyryl content, bgs., dlvd. E lb. .585 - .595
half-second, bgs., dlvd. E lb. .545 - .555
Cerium hydrate, 74% CeO_2, f.o. dms., 100-lb lots or more lb. 1.44 - —
77% CeO_2, fib. dms., 100-lb. lots or more lb. 1.74 - —
Oxalate, NF, bbls., bgs., works lb. 1.05 - —
Oxide, optical grade, bgs., 50-lb. lots or more, works lb. 1.85 - 1.98
smaller lots, works lb. 2.03 - 2.23
Chalk (see Calcium carbonate).
Chamomile flowers, Hungarian style, cs. lb. .75 - .80
Roman, cs. lb. 1.00 - 1.15

Charcoal, activated, NF, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32½
smaller lots, works lb. .27 - .50
Bone (see Black, bone).
Hardwood, briquets, bgs., c.l., works ton. 77.00 -88.00
gran., bgs., works ton. 77.00 - —
bulk, c.l., works ton. 70.40 - —
Pinewood, gran., powd., bgs., c.l., works, South ton. 55.00 - —
l.c.l., works, South ton. 55.00 -65.00
lump bgs., c.l., works, South ton. 51.50 - —
l.c.l., works, South ton. 61.50 -69.00
bulk, c.l., works, South ton. 36.00 - —
Chestnut extract, liq., 25% tannin, bbls., c.l., works lb. .04¾- —
l.c.l., works lb. .0510- —
tanks, works lb. .04 - —
powd., 60% tannin, bgs., extra, c.l., works lb. .1032- —
l.c.l., works lb. .1102- —
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
l.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots lb. 1.30 - —
500-lb. lots lb. 1.33 - —
100-lb. lots or less lb. 1.35 - —
Chlordan, agricultural, cs., c.l., frt alld lb. .65 - —
l.c.l., 5,000 to 10,000 lb. lots, frt alld lb. .66 - —
clarif., dms., c.l., frt. alld lb. .75 - —
l.c.l., 5,000 to 10,000 lb. lots, frt. alld lb. .76 - —
Chloramine T, NF, bbls., works lb. .75 - 1.00
Chlorinated paraffin, 42%, dms., c.l., frt. alld lb. .15½- —
l.c.l., same basis lb. .16½- —
70%, dms., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .19 - —
Rubber, 5, 10, 20 cps., ctns., c.l., works lb. .55 - —
l.c.l., works lb. .56 - —
125, 1,000 cps., ctns., c.l., works lb. .65 - —
l.c.l., works lb. .66 - —
Chlorine, liq., cyls., c.l., works, frt. equald lb. .09½- —
l.c.l., Metropolitan area lb. .11 - .12¼
tanks, single units, works, frt. equald 100 lbs. 2.93 - —
multiple units, 5 cars, works, frt. equald 100 lbs. 3.80 - 3.83
3 cars, same basis 100 lbs. 3.80 - —
2 cars, same basis 100 lbs. 5.00 - —
1 car, same basis 100 lbs. 6.00 - —
4-Chloro-2-aminotoluene, fused, bbls. lb. 1.45 - —
m-Chloroaniline, dms., c.l., frt. equald lb. .75 - —
l.c.l., same basis lb. .80 - —
o-Chloroaniline, dms., c.l., works, frt. equald lb. .70 - —
l.c.l., same basis lb. .72 - —
p-Chloroaniline, dms., c.l., works, frt. equald lb. .75 - —
o-Chlorobenzaldehyde, dms., works. lb. 1.20 - —
p-Chlorobenzaldehyde, dms., works. lb. 1.33 - —
Chloroform, tech., dms., c.l., dlvd. E lb. .18 - —
l.c.l., same basis lb. .19 - —
tanks, same basis lb. .17 - —
USP, dms lb. .30 - —
2-Chloro-4-nitroaniline, paste, 100% basis lb. .81 - —

4-Chloro-2-nitroaniline, dms., dlvd. lb. .80 - —
o-Chlorophenol, dms., c.l., frt. equald. lb. .34½- —
t.c.l., same basis lb. .35½- —
p-Chlorophenol, dms., c.l., frt. equald. lb. .34½- —
t.c.l., same basis lb. .35½- —
Chlorophyll, oil soluble, 4%, not fixed, pails, tins, works lb. 4.25 - —
copper fixed, 6½% tins, pails, works lb 4.25 - —
Sodium-copper, aqueous soln., 4%, dms., pails, works lb. 3.75 - —
8%, pails, dms., works lb. 4.00 - 4.80
14%, dms., works lb. 8.90 - —
conc., dom., 50%, dms., works, 100% basis lb.42.00 - —
75%, dms., works, 100% basis lb.45.00 - —
90%-100%, dms., works, 100% basis lb 45.00 - —
imp., 60%, tins, 100% basis. lb.58.00 - —
90%, tins, 100% basis lb.58.00 - —
75%, tins, 100% basis lb.55.00 - —
Chloropicrin, coml., bots lb. 1.50 - —
cyls 180 lbs frt alld lb 95 - —
100 lbs., same basis lb. .97 - —
25 lbs. same basis lb 1.22 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 6.85 - 9.50
Choline bitartrate, fib. dms. frt adjusted lb 1.50 - 1.75
Chloride fib. dms., frt adjusted. lb 1.50 - 1.75
Dihydrogen citrate, fib dms., frt. adjusted lb 1.50 - 1.75
Chromium acetate, soln., 7½%, bbls., works lb. .08½- —
cbys works lb. 10¼ - —
Fluoride, bbls., works lb. .51 - .52
Green (see Green, chrome).
Oxide (see Green chromium oxide).
Trioxide NF bots lb 82 - .89
Yellow, (see Yellow chrome).
Cinchona bark, NF, red, broken, bgs lb. .35 - .40
yellow, broken, bgs lb. .35 - .40
Cinchonidine cryst. cns 100-oz. lots. oz. .65 - —
Sulfate cns., 100-oz. lots oz. .37 - .40½
Cinchonine cryst. cns. 100-oz. lots. oz. .52 - .57
Sulfate, NF, cns., 100-oz. lots oz. .27½- .30½
Cinchophen NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb 4.50 - 4.85
Cinnamic alcohol (see Alcohol cinnamic).
Cinnamon, Ceylon, No. 2 lb. .60 - .62
"0000," bgs., shipt lb. Nominal.
Citral, bots., cns lb. 4.00 - 4.50
Citronellal, bots., dms lb. 1.85 - 2.50
Citronellol, bots., dms lb. 2.70 - 3.25
Civet, artif., bots lb.13.75 -15.00
nat., bots oz. 7.50 -15.00
Clay, ball, dom., airfloated, bgs., c.l., Tenn. ton.19.50 - —
crushed, shed moisture, bulk, c.l., Tenn ton.10.00 - —
purif., bgs., c.l., Tenn. ton.20.50 - —
imp., airfloated, bgs., c.l., Atl. port long ton.42.00 -45.00
lump, bulk, Atl. port long ton.27.00 -30.20
Clay, China, dom., dry-grd., airfloat, 99%, 325 mesh, bgs., c.l., Georgia, works ton 10.00 - —
t.c.l., Georgia, works. ton.15.50 - —
300 mesh, bgs., c.l., Georgia, works ton.13.50 -14.50
t.c.l. ton.35.00 -36.00
imp., white, lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton.20.00 -35.00
powd., bgs., c.l., ex dock net ton 30 00 —
t.c.l., ex whse net ton.60.00 -65.00
Clove, Madagascar, bgs lb. .59 - .60
Zanzibar, bls. lb. .68 - .69
CMC, purif., high vis. (see Gum Ceilulose).
standard, low or med. vis., bgs., 23.000 lbs. or over, works, frt. alld lb. .55 - —
smaller lots, same basis lb. .57 - —
80% purity, low or med. vis., bgs., or fib. dms., 23.000 lbs., dlvd. E., 100% basis. lb. .39 - —
less than 23,000 lbs., dlvd. E., 100% basis lb. .41 - —
65% purity, bgs., or fib. dms., c.l., dlvd. E., 100% basis, lb. .39 - —
t.c.l., dlvd. E., 100% basis. lb. .41 - —
CMC prices W. of the Rockies are 2c. per lb. lower, and are on a works basis.
Coaltar, crude, resale dms., c.l., ex-whse gal. .275 - .30
t.c.l., ex-whse gal. .285 - .32
tanks ex works gal. .154 .165
refd., resale, dms., c.l., ex-whse, gal. .2850- .3125
t.c.l., ex-whse gal. .2950 .3245
tanks, ex whse gal. .1650 .1760
Cobalt acetate, 23.7%, bbls., dlvd.lb. 1.37 - 1.30
Carbonate, 46% powd., bgs., dlvd. lb. 2.15 - —
Chloride, 24.2% Co. kgs. dlvd. lb. 1.20 - —
Hydrate, 60-61% Co. bbls., dlvd.lb. 2.72 - —
Linoleate, fused, 8½% Co., dms.lb. 75¾- —
liq., 6% Co., dms lb. .61 - —
Metal, 97-99% kgs., ex whse lb. 2.60 - —
Naphthenate, liq., 6% Co., dms., dlvd lb. .48¼- —
Nitrate, 20.1% Co, bbls., dlvd lb. 1.00 - —
Phosphate, powd., 32.1% Co., kgs., dlvd lb. 1.69 - —
Oxide, black, 72½ 73½% Co., kgs. lb. 1.96 - —
70-71% Co., kgs lb. 1.90 - —
Resinate, fused, 3% Co., dms lb. .29¾- —
Sulfate, cryst, 21% Co., dms., dlvd lb. .89 - —
monohydrated, 33% Co. dms dlvd. lb. 1.40 - —
Tallate, 6% Co., dms., dlvd lb. .43¾- —
Cocaine, USP, cns., 100-oz. lots oz..17.80 - —
Hydrochloride, cns., 100-oz. lots oz.13.75 - —
Cocillana bark, bgs lb. .40 - .50
Cocoa butter, bgs lb. .92 - —
Codeine, NF, cns., 100-oz. lots oz.13.25 - —
Hydrochloride, cns., 100-oz. lots oz.11.75 -
Phosphate, USP, cns., 100-oz. lots. oz.10.25 - —
Sulfate, USP, cns., 100-oz. lots oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls lb. .20 - .22
blue, bls lb. .20 - .22
Colchicine, USP, bots., cns. oz.33.50 -40.00
Colchicum root, bls lb. .45 - .55
seed, bgs lb. .80 - 1.10
Collodion, USP, dms lb. .32½- —
flexible, USP, dms lb. .34 - —
Colocynth, pulp, bls lb. .25 - .30
Colombo root, bls lb. No prices.
Condurango bark, bales lb. .45 - .50
Copaiba balsam, cns., dms lb. .90 - 1.20
Copper acetate, bbls., c.l., works. lb. .40 - —
t.c.l., works lb. .41 - —
Carbonate, 55%, bgs., works lb. .253 - .273
Chloride anhyd., bbls., works lb. .39 - —
cryst., bbls., works lb. .26¼- —
Cyanide, tech., bbls., 1,000-lb. lots or more lb. .619 - —
smaller lots lb. .639 - —
Gluconate, cns dms lb. 3.00 3.24
Hydrate, dms., frt. alld. E. Miss lb. .40¼- .40¾
Metal, electrolytic, dlvd., Valley basis lb. .30 - —
Naphthenate, liq., 8% Cu., dms., frt. alld lb. .23½- —
Nitrate, tech., cryst., bbls., works. lb. .33¼- —
Oleate, solid, 9% Cu dms., works lb. .45 - —
Oxide, black, bbls., works lb. .39 - .44½
red, USN type I, 97%, bbls., works lb. .48½- .53
type II, 90%, bbls., works lb. .41 - .46½
Quinolinolate, fib. dms lb. 4.25 - 4.50
Resinate, precip., dms frt alld. lb. .30 - —
Sulfate, CP, gran., bbls., works c.l. .5- —
cryst., 99%, bgs., c.l., works, 100 lbs.10.35
t.c.l., works 100 lbs.10.60 -11.35
monohydrated, 35% dms., c.l., works 100 lbs.17 10 -17 85
tribasic, dealers, bgs., c.l., works, frt. alld 100 lbs.22.50 - —
t.c.l., works 100 lbs.23 00 -2- 50
Undecylenate, dms lb. 2.90 3 00
Copperas (see Ferrous sulfate).
Copra, Atl., Gulf ports, c.i.f. ton.175.00 - —
Pacific ports, c.i.f. ton.170.00 - —
Coriander seed, Moroccan, bgs lb. .10½- —
Roumanian, bgs. lb. .08 - .08½
Corn sugar, tanners, chipped, paper bgs. c.l. 60,000 lbs min. 100 lbs 7 21 - —
t.c.l. 100 lbs. 7.46 - —
Syrup, 42 dms, c.l. 100 lbs 7 32 - —
t.c.l. 100 lbs. 7.46 - —
Corrosive sublimate (see Mercuric Chloride).
Cortisone acetate, NNR, bulk gram. 3.75 4.00
Cottonseed meal, exp. 41%, sacked, Memphis ton.70.00 -72.00
solvent, same basis ton.65.00 Nom.
Coumarin, cryst., NF, cns lb. 2.94 - 3.15
powd., cns. lb. 3.20 - 3.25
Cramp bark, NF, bls lb. .85 - .90
Cream of tartar (see Potassium bitartrate).
Creosote carbonate, NF, bots. cbys. lb. 3.05 - 3.26
Coaltar, crude, tanks, works, frt. adjusted gal. .22 —
soln., 80%, tanks, works gal. .2068- —
refd., dms., c.l., works gal. .3850- —
t.c.l. same basis gal. .4510- —
tanks, same basis gal. .2970 —
Wood, beechwood, cbys., dms lb. 1.60 - 1.65
hardwood, NF, bots., cbys lb. 1.30 - 1.35
pinewood, dms., works gal. .42½- .50½
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, non-ret. dms. c.l. frt equald lb. .133 - —
t.c.l. same basis lb. .136 - —
tanks, same basis lb. .12 - —

4-Chloro-2-Nitroaniline—Cyclopropane

Cresol, USP, non-ret. dms., c.l., same basis lb. .143 - —
t.c.l., same basis lb. .146 - —
ret dms., c.l., same basis lb. .140 - —
t.c.l., same basis lb. .145 - —
tanks, same basis lb. .130 - —
m-Cresol, 95-98%, dms., c.l., works. lb. .60 - —
t.c.l., works lb. .61 - —
o-Cresol, m.p. over 30°C., ret. dms., c.l., frt. equald lb. .173 - —
t.c.l., same basis lb. .176 - —
tanks, same basis lb. .16 - —
29°C., ret. dms., c.l., frt. equald. lb. .16 - —
t.c.l., same basis lb. .16½- —
tanks, same basis lb. .15 - —
25-29°C., dms., c.l., frt. equald. lb. .153 - —
t.c.l., same basis lb. .156 - —
tanks, same basis lb. .14 - —
p-Cresol, 98%, dms., c.l., dlvd lb. .49 - —
t.c.l., dlvd lb. .51 - —
Methyl ether, cns lb. 1.90 - 2.50
Crotonaldehyde, 91-93%, dms., t.c.l., works lb. .24¼ .25
Cryolite, nat., indust., bgs., c.l., works 100 lbs.13.00 - —
t.c.l., works 100 lbs.14.25 - —
insecticide, dealers, bgs., c.l., dlvd 100 lbs.14.00 - —
t.c.l., dlvd. 100 lbs.15 00 - —
Cube root, powd., 5% rotenone, bgs., works lb. .25 - —
Cubeb berries, XX, NF, bgs lb. .50 - .52
powd., cs. lb. .65 - .70
Cumene, dms c.l., works lb. .12 - —
t.c.l. works lb. .14 - —
tanks works lb. .11 - —
Cumin seed, Iranian, bgs lb. .13¼- —
Moroccan, bgs. lb. .15 - —
Turkish, bgs. lb. .13¼- —
Cutch extract, 55% tannin, bgs., ex dock, duty extra lb. 08½- —
Cyanamide fertilizer mixing grades, 20.6% N, gran., bgs., Niagara Falls, Ont., contract ton.55.00 - —
pulv., 21% N, bgs., works unit ton 2 75 - —
indust. grade, bgs., c.l., works.ton.75.00 - —
t.c.l. bgs., works ton.96.00 - —
6-16 mesh, dms., c.l., works ton.120.00 - —
t.c.l. dms., works ton.140.00 - —
Cyclohexane, tech., dms., c.l., works. gal. .70 - —
t.c.l., works gal. .72 - —
tanks works gal. .55 - —
Cyclohexanol, tech., dms., c.l., works, frt. alld., E lb. .28½- .37¾
t.c.l., works, same basis lb. .30 - .38¼
tanks, works, same basis lb. .27 - .36¼
Cyclohexanone, tech., dms., c.l., works lb. .33½- —
tanks, works lb. .32 - —
Cyclohexylamine, dms., c.l., works. lb. .46½- —
t.c.l., works lb. .47½- —
tanks, works lb. .45 - —
t.c.l., works lb. .35 - —
Cyclopropane, CP, 2-lb. cyls., works. cyl 48.00 - —
6 oz. cyls., works cyl.12.00 - —
USP, hospitals, cyls., 40-gal. lots. gal. .38 - —
100 gal. lots gal. .37 - —
200-gal. lots gal. .36 - —



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2,4-D—Dipentene

D

2-4-D bbls., c.l., works, frt. equald. lb. .43½- —
i.c.l., same basis lb. .494 - —
Butyl ester, dms., c.l., works lb. .46½- —
i.c.l., same basis lb. .51½- .56½
Isopropyl ester, dms., c.l., works lb. .46½- —
i.c.l., works lb. .51½- .56½
Dandelion root, bls lb. .35 .40
DDD, tech., flake, grd., fib, bgs., c.l., works lb. .45 - —
i.c.l., works lb. .46 - —
DDT powder, bgs., c.l., works, frt. equald lb. .27 - —
smaller lots, same basis lb. .29 - —
fib, dms., c.l., same basis lb. .28 - —
smaller lots, same basis lb. .30 - —
1-Decanol, tech., dms., c.l., dlvd lb. .35 - —
i.c.l., dlvd lb. .37 - —
tanks, dlvd lb. .32½- —
Deertongue leaves, bls lb. .45 - —
Defluorinated phosphate, 13% P, paper bgs., works ton.49.50 - —
14½% P, paper bgs, works ton.46.00 - —
17% P, paper bgs., works ton.56.00 - —
18% P, paper bgs., works ton.64.35 - —
Degras, common, bbls lb. .10 - .12
neutral, less 2% ffa., bbls lb. .24 - .25
over 2% ffa., bbls lb. .23 - .24
Derris root, 5% rotenone powd., bbls lb. .36 Nom.
d-Desoxyephedrine hydrochloride bots lb.25.00 - —
dl, bots. lb. 6.50 - —

Dextrin, corn, gum, paper bgs., c.l., 100 lbs. 8.95 - —
i.c.l. 100 lbs 9.10 - —
canary paper bgs. c.l. 100 lbs 8.69 - —
i.c.l 100 lbs 8.84 - —
dark, paper bgs., c.l. 100 lbs 8.79 - —
i.c.l 100 lbs 8.94 - —
white, paper bgs., c.l. 100 lbs 8.53 - —
i.c.l. 100 lbs 8.68 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs higher.
Potato, bgs. lb. .10½- .11
Dextrose, USP, dms. lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 4.50 5.50
Di-sec-amyl phenol, dms., c.l., works lb. .30¼- —
i.c.l., works lb. .33¼- —
tanks, works lb. .28¼- —
Di-tert-amyl phenol, dms., c.l., works lb. .30¼- —
i.c.l., works lb. .33¼- —
tanks, works lb. .28¼- —
o-Dianisidine fib. dms. lb 2.00 - —
Dibenzyl sebacate, dms., c.l., works. lb. .89¾- .90
i.c.l., same basis lb. .90¼- .91
tanks, same basis lb. .88 - —
p-Dibromobenzene, bgs., 500-lb. lots lb .55 - —
Dibutyl phthalate, dms., c.l., dlvd. E lb. .32 - —
i.c.l., same basis lb. .33 - —
tanks, same basis lb. .30 - —
Sebacate, dms., c.l., works lb. .68 - —
i.c.l., works lb. .68½- .69
tanks, works, dlvd lb. .66 - .66½
Tartrate, dms., works, frt. alld lb. .64 - .71

Dibutylamine, dms., c.l., dlvd lb. .53 - —
i.c.l., same basis lb. .54 - —
tanks, same basis lb. .53 - —
Di-tert-butyl-p-cresol, dms., c.l., works lb. .91 - —
i.c.l., works lb. .95 - —
Dicapryl phthalate, dms., c.l., dlvd., works lb. .30½- .31½
i.c.l., same basis lb. .31½- .32½
tanks, same basis lb. .29½- —
Sebacate, dms., c.l., works lb. .63 - —
i.c.l., works lb. .63½- .64
tanks, works lb. .61 - —
2,5-Dichloroaniline dms., works lb. .75 - .83
o-Dichlorobenzene, dms., c.l., frt. alld. E lb. .12¼- —
i.c.l., same basis lb. .13¼- —
tanks, same basis lb. .10¾- —
p-Dichlorobenzene, dms., c.l., frt. alld. E lb. .16½- —
i.c.l., same basis lb. .19 - —
Dichlorodiphenyltrichloroethane (see DDT).
Dichloropentanes, dist., dms., c.l., works lb. .05 - —
i.c.l., works lb. .05¾- —
tanks, works lb. .04¼- —
Dicyclohexylamine, dms., c.l., works. lb. .51 - —
i.c.l., works lb. .51¾- —
tanks, works lb. .49¾- —
Dicyclohexyl phthalate, fib, dms., c.l., frt. alld., works lb. .58¼- .59
i.c.l., same basis lb. .59¼- .60
Dieldrin, dms., frt. alld lb. 1.80 - —
i.c.l., frt. alld lb. 1.85 - —
Diethanolamine, dms., c.l., dlvd. E. lb. .26¼- —
i.c.l., same basis lb. .27¼- —
tanks, same basis lb. .24½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .47 - —
i.c.l., same basis lb. .48 - —
tanks, same basis lb. .45 - —

Diethyl ethanolamines, dms., c.l., dlvd lb. .67½- —
i.c.l., dlvd lb. .68½- —
tanks, dlvd lb. .65½- —
Oxalate, dms., c.l., frt. alld lb. .42 - —
i.c.l., same basis lb. .43 - —
tanks, same basis lb. .40 - —
Phthalate, dms., c.l., dlvd lb. .27 - —
i.c.l., dlvd. lb. .28 - —
tanks, dlvd. lb. .25 - —
Sulfate, dms., c.l., works lb. .18¾- —
i.c.l. works lb. .19¼- —
tanks works lb. .17 - —
Diethylamine, dms., c.l., dlvd. E lb. .50½- —
i.c.l., same basis lb. .51½- —
tanks, same basis lb. .48½- —
N,N-Diethylaniline, dms., c.l., frt. alld lb. .51 - —
i.c.l., same basis lb. .52 - —
tanks, same basis lb. .50 - —
Di-2-ethylhexyl adipate (see Dioctyl adipate).
Phthalate (see Dioctyl phthalate).
Diethylene glycol, dms., c.l., dlvd. E. lb. .16½- —
i.c.l., same basis lb. .17½- —
tanks, same basis lb. .14¾- —
Boriborate, dms., i.c.l. lb. .31 - —
Diethyl ether, dms., c.l., works. lb. .46½- —
i.c.l., works lb. .47 - —
Monobutyl ether, dms., c.l., works lb. .23¾- —
i.c.l., works lb. .29¼- —
tanks, works lb. .27 - —
Acetate, dms., c.l., works. lb. .30 - —
i.c.l., works lb. .30½- —
tanks, dlvd. E lb. .28¼- —
Monoethyl ether, dms., c.l., dlvd. lb. .20¾- —
i.c.l., dlvd lb. .21½- —
tanks, dlvd lb. .19½- —
Acetate, dms., c.l., works lb. .26¾- —
i.c.l., works lb. .27¼- —
tanks, dlvd. E lb. .25¼- —
Monomethyl ether, dms., c.l., works lb. .20 - —
i.c.l., works lb. .21 - —
tanks, works lb. .18½- —
Diethylenetriamine dms., c.l., dlvd E. lb. .43 - —
i.c.l., same basis lb. .44 - —
tanks, same basis lb. .41½- —
Diethylstilbestrol, USP, bots., 10-kilo lots kilo.100.00 - —
1-kilo lot kilo.110.00 - —
Digitalis leaves, USP, dom., dms., lb .90 - 1.10
Digitoxin, USP, bots gram. 5.50 - 6.00
Diglycol laurate, dms lb. .35 - .38
Oleate, dms lb. .31 - —
Stearate, dms lb. .26 - .27
Dihexyl sebacate, dms., c.l., works lb. .64 - —
i.c.l., works lb. .64½- .65
tanks, works lb. .62 - —
Dihydrazine sulfate, dms., works. lb. 1.10 - 1.25
Dihydrostreptomycin hydrochloride, bulk gram. .17 - —
Sulfate, bulk gram. .17 - —
2,2-Dihydroxy-5,5'-dichloro-diphenyl-methane, pure, dms lb. 2.80 - 3.00
tech., dms lb. 1.04 - 1.14
Di-isobutyl ketone, dms., c.l., dlvd. lb. .15½- —
i.c.l., dlvd lb. .16½- —
tanks, same basis lb. .13½- —
Phthalate, dms., c.l., dlvd. E lb. .31 - —
i.c.l. same basis lb. .32 - —
tanks, same basis lb. .29 - —
Di-isobutylene dms., c.l., works lb. .10 - —
i.c.l., works lb. .11 - —
tanks, works lb. .08 - —
Di-iso-octyl phthalate, dms., c.l., dlvd lb. .32½- —
i.c.l., same basis lb. .33½- —
tanks, same basis lb. .30½- —
Sebacate, dms., c.l., works. lb. .63 - —
i.c.l., works lb. .63½- .64
tanks, works, dlvd lb. .61 - .61¼
Di-isopropylamine, dms., c.l., dlvd. E. of Rockies lb. .50 - —
i.c.l., same basis lb. .51 - —
tanks, same basis lb. .48 - —
Dillseed, dewhiskered, bgs. lb. .13 - —
nat., bgs. lb. .12 - —
Dimethyl anthranilate, cns lb. 5.25 - 5.75
Chloroacetal, dms., c.l., works lb. .45 - —
i.c.l., works lb. .50 - —
tanks, works lb. .40 - —
Ethanolamines, annyd., dms., c.l., dlvd lb. 1.43 - —
i.c.l., dlvd lb. 1.45 - —
tanks, dlvd lb. 1.40 - —
70%, dms., c.l., dlvd., 100% basis lb. .55 - —
tanks, dlvd., 100% basis lb. .53 - —
Hydroquinone, dms lb. 1.70 - 2.75
Phthalate, dms., c.l., works lb. .29½- —
lb. .29½- —
i.c.l., works lb. .30½- —
tanks, dlvd. lb. .27½- —
Sebacate, dms., c.l., works lb. 1.27 - —
i.c.l., works lb. 1.28 - —
tanks, works lb. 1.25 - —
Sulfate, 55-gal., ret. dms., c.l., works lb. .15 - —
i.c.l., works lb .16 - —
10-gal. ret. dms., i.c.l., works. lb. .16½- —
Dimethylamine, 25% soln., dms., c.l., frt. equald lb. .42 - —
i.c.l., frt. equald lb. .42½- —
tanks, frt. equald lb. .33 - —
40% soln., dms., c.l., frt. equald. lb. .39 - —
i.c.l., frt. equald lb. .39½- —
tanks, frt. equald lb. .33 - —
N,N-Dimethylaniline, dms., c.l., frt. alld lb. .29½- —
i.c.l., frt. alld lb. .30½- —
tanks, frt. alld lb. .28½- —
N,N-Dimethylformamide dms., works. lb. .34 - .36
tanks, works lb. .33 - —
2,4-Dinitroaniline, dms., frt. equald lb. .57 - —
m-Dinitrobenzene, 85°C., dms lb. .20 - —
89°C., dms lb. .22 - —
2,4-Dinitrochlorobenzene, dms., c.l., frt. alld. E lb. .15¼- —
i.c.l., frt. alld. E lb. .15¾- —
tanks, frt. alld., E lb. .15 - —
2,4-Dinitrophenol, bbls. lb. .37 - —
2,4-Dinitrotoluene, oily, dms. lb. .10 - —
refd., 68°C., dms. lb. .21 - —
Dioctyl adipate, dms., c.l., works. lb. .45½- —
i.c.l., works lb. .46½- —
tanks, works lb. .43½- —
Phthalate, dms., c.l., frt. alld. lb. .32½- —
i.c.l., frt. alld. lb. .33½- —
tanks, frt. alld. lb. .30½- —
Sebacate, dms., c.l., works, lb. .63 - —
i.c.l., works lb. .63½- .64
tanks, works, dlvd lb. .61 - .61¼
Di-o-tolyguanidine, dms., ton lots, dlvd. lb. .57 - —
smaller lots, dlvd lb. .58 - —
1,4-Dioxane, dms., c.l., works lb. .28¾- —
i.c.l. same basis lb. .29¼- —
tanks, same basis lb. .27 - —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., i.c.l., works. .35 - —
Dipentene, dest-dist., dms., c.l., works gal. .48½- —
i.c.l., works gal. .53½- —
ex-whse. gal. .70 - —
steam-dist., dms., c.l., works, South. gal. .64 - —
dlvd. N. Y gal. .82 - —
tanks, works, South gal. .50 - —

THIS IS **MERCHANTS**

This is Wallace P. Mann, District Manager of our Omaha office. He joined us in March, 1945, after serving with Wyandotte Chemicals Corporation since 1933. With a background of 34 years in the chemical business, Mr Mann is well qualified to help solve your chemical problems. He is particularly experienced in selling chemicals to the mineral feed industry, and now serves as a Director of the National Mineral Feed Association Inc.

Under Mr. Mann we have four salesmen covering Nebraska, Iowa, Northeastern Kansas, and Southeastern South Dakota. In our Omaha warehouse we carry a full line of industrial chemicals, feed chemicals, laundry and dry cleaning supplies and dry ice, and are ready to make prompt delivery to our customers in the area.

Sales offices and Warehouses: Chicago, Cincinnati, Denver, Louisville, Milwaukee, Minneapolis, New York, Omaha.
Stock Points: Albuquerque, Aurora, Ill., Erwin, Tenn., S. Norwalk, Conn.

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CHLORINATED SOLVENTS • LAUNDRY COMPOUNDS
EMULSIFIERS • CHEMICAL SPECIALTIES
DRY ICE • SOAPS

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MERCHANTS CHEMICAL COMPANY, INC.
60 East 42nd Street, New York 17, N. Y.
Distributors of industrial chemicals for over a quarter century.

Diphenyl, bbls., c.l., works.....lb. .15 - —
i.c.l., works lb. .16 - —
Diphenyl in bags ¼c. lower.
Oxide, perfume grade, cns...lb. .54 - .61
Phthalate, dms., c.l., works....lb. .51¾- —
l.c.l., works.....lb. .53¾- —
Diphenylguanidine dms., ton lots lb. .48 - —
smaller lots lb. .49 - .50
Diphenylhydantoin-sodium, USP, dms lb. 5.30 - 5.60
Dipropylene glycol, dms., c.l., frt. alld..lb. .16½- —
l.c.l., same basis.....lb. .17½- —
tanks, same basis.....lb. .14¾- —
Monomethyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .18½- —
Divi-divi, 45% tannin, bgs., bls., c.l., U.S. ports, exdock..ton.70.00 -72.00
Divinylbenzene, 20-25%, dms., c.l., works..lb. .20 - —
l.c.l., works.....lb. .21 - —
tanks, works.....lb. .19 - —
40-50%, dms., c.l., works, 100% basis..lb. 1.00 - —
l.c.l., works, 100% basis...lb. 1.15 - —
Dodecylbenzene, dms., c.l., frt. equald..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
tanks, same basis.....lb. .12½- —
Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots dlvd:—
Blue, FD & C, No. 1, cns....lb.17.00 -17.60
No. 2, cns.....lb.17.00 -17.60
Green, FD & C, No. 1, cns.....lb.17.00 -17.60
No. 2, cns.....lb.22.20 -22.85
No. 3, cns.....lb.35.25 -35.90
Orange, FD & C, No. 1, cns....lb. 3.65 - 3.75
No. 2, cns.....lb. 4.65 - 4.75
Red, FD & C, No. 1, cns.....lb. 7.55 - 7.85
No. 2, cns.....lb. 4.00 - 4.10
No. 3, cns.....lb.22.20 -22.85
No. 4, cns.....lb. 7.20 - 7.50
No. 32, cns.....lb. 5.30 - 5.40
Violet, FD & C, No. 1, cns....lb.17.00 -17.60
Yellow, FD & C, No. 1, cns.....lb.10.50 -11.05
No. 3, cns.....lb. 3.30 - 3.40
No. 4, cns.....lb. 3.30 - 3.40
No. 5, cns.....lb. 4.00 - 4.10
No. 6, cns.....lb. 4.00 - 4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Black, D&C, No. 1, cns.....lb.10.95 - —
Brown, D&C, No. 1, cns.....lb.16.10 - —
Green, D&C, No. 5, cns.....lb.16.10 - —
No. 6, cns.....lb.16.10 - —
No. 7, cns.....lb.14.80 - —
Orange, D&C, No. 3, cns.....lb.10.95 - —
No. 4, cns.....lb.20.05 - —
No. 5, cns.....lb. 5.70 - —
No. 10, cns.....lb.20.70 - —
Red, D&C, No. 8, cns.....lb. 2.85 - —
No. 9, cns.....lb. 2.85 - —
No. 10, cns.....lb. 2.30 - —
No. 11, cns.....lb. 1.85 - —
No. 12, cns.....lb. 2.65 - —
No. 17, cns.....lb.10.95 - —
No. 18, cns.....lb.24.00 - —
No. 19, cns.....lb.15.45 - —
No. 21, cns.....lb. 3.60 - —
No. 22, cns.....lb.10.95 - —
No. 28, cns.....lb.24.65 - —
No. 33 cns.....lb.17.45 - —
Violet, D&C, No. 2, cns.....lb.16.10 - —
Yellow, D&C, No. 7, cns.....lb.10.95 - —
No. 10, cns.....lb.13.50 - —
No. 11, cns.....lb.13.50 - —
Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Blue, Ext., D&C, No. 1, cns. lb 16.10 - —
Green, Ext., D&C, No. 1, cns. lb.16.10 - —
Red, Ext., D&C, No. 1, cns...lb.13.50 - —
Yellow, Ext., D&C, No. 1, cns. lib.10.95 - —
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd. No.
20 Chrysoidine Y.....lb. .74 - —
27 Fast light orange 2G....lb. .90 - —
31 Phloxine 2G.....lb. .74 - —
36 Yellow 2G.....lb. .83 - —
40 Orange II extra, conc...lb. 1.06 - —
57 Fuchsine 6B.....lb. 1.08 - —
79 Scarlet 2R.....lb. .81 - —
151 Orange AD.....lb. .55 - —
161 Orange RR.....lb. .66 - —
176 Fast red A.....lb. .99 - —
179 Rubine XX, conc.....lb. 1.14 - —
180 Blue F4B.....lb. .92 - —
185 Brilliant scarlet 3RN, conc. lb. .93 - —
202 Chrome blue black, conc.lb. .75 - —
203 Chrome black T.....lb. .78 - —
208 Fast blue SR.....lb. .91 - —
216 Chrome red B.....lb. .84 - —
234 Brown Y.....lb. .98 - —
246 Blue black, extra, conc..lb. .95 - —
275 Milling red 3R, conc....lb. 2.03 - —
289 Navy blue 3R, conc.....lb. 1.19 - —
299 Black F, conc.....lb. 1.54 - —
304 Neutral black 2B, conc., 200% lb. 2.01 - —
326 Fast scarlet 4BNC.....lb. 1.64 - —
332 Bismarck brown RX, conc. lb. .93 - —
365 Brilliant yellow, conc....lb. 2.57 - —
382 Scarlet B.....lb. 1.82 - —
401 Diazo black BHD.....lb. .69 - —
406 Blue 2B, extra conc.....lb. 1.07 - —
419 Red FC, conc.....lb. 1.12 - —
420 Brown M.....lb. .98 - —
448 Red 4BX, conc.....lb. 1.30 - —
518 Diamine sky blue FF, extra, conc. lb. 1.50 - —
561 Brown B.....lb. 2.03 - —
581 Direct black EB.....lb. .94 - —
593 Green BY, conc.....lb. .72 - —
596 Yellow Brown K, extra..lb. .91 - —
620 Yellow 2G.....lb. 1.79 - —
640 Yellow XX.....lb. 1.61 - —
655 Yellow OX.....lb. 2.04 - —
657 Green V.....lb. 2.10 - —
662 Brilliant green G.....lb. 2.79 - —
667 Brilliant milling green 6B, conc. lb. 3.53 - —
671 Blue EG.....lb. 1.70 - —
681 Crystal violet powder....lb. 2.15 - —
698 Violet 4BXN.....lb. 1.74 - —
720 Brilliant blue BBG.....lb. 1.88 - —
729 Blue B, conc.....lb. 2.79 - —
749 Red BX.....lb. 4.33 - —
814 Yellow NN, conc.....lb. 3.11 - —
841 Safranine GF, extra, conc., lb. 3.17 - —
865 Nigrosine WSJ.....lb. .75 - —
922 Blue GXX.....lb. 1.71 - —
978 Black GXCF, conc.....lb. .32 - —
1034 Alizarine red SC.....lb. 2.59 - —
1054 Alizarine blue SAPX...lb. 2.91 - —
1078 Alizarine green CG, extra. lb. 2.72 - —
1085 Alizarine blue, black, B lb. 2.33 - —
1096 Golden orange GFD, single paste lb. 1.99 - —
1099 Dark blue BO, single paste. lb. 1.75 - —
1101 Jade green N, double paste. lb. 1.98 - —
1106 Blue RS, double paste lb. 2.96 - —
1113 Blue BLFD, double paste.lb. 2.25 - —
1150 Olive R, single paste ...lb. 1.10 - —
1151 Brown R, single paste lb. 1.76 - —
1171 Indigo, synthetic, 20% paste lb. .31 - —
1217 Orange RD, single paste.lb. 1.65 - —
p-4 Brown PG.....lb. 2.30 - —
p-24 Gray L.....lb. 1.60 - —
p-14 Brown EB.....lb. 1.51 - —
p-80 Diazo brilliant scarlet ROAD..lb. 2.79 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls.....lb. 1.10 - —
Egg albumin (see Albumin).
Yolk, dried, dom., bbls.....lb. 1.04 - 1.06
tanners, bbls.....lb. .06 - .06½
Elder flowers, bright, bls.....lb. .35 - .40
Elm bark, grinding, bls.....lb. .45 - —
powd., bbls., bxs.....lb. .55 - —
select, bundles.....lb. .60 - —
Emetine hydrochloride, USP, bots oz.32.95 -35 00
Ephedrine, syn., USP, anhyd., bots., 100-oz. lots oz. .98 - 1.00
hydrous, bots., 100-oz. lots oz. .92 - —
Hydrochloride, tins, 100-oz. lots. oz. .75 - —
Sulfate, cryst., tins, 100-oz. lots. oz. .72 - —
powd., tins, 100-oz. lots....oz. .73 - —
Epichlorohydrin, dms., c.l., dlvd..lb. .39 - —
l.c.l., dlvd.....lb. .40 - —
tanks, dlvd.....lb. .37 - —
Epsom salt (see Magnesium sulfate).
Epinephrine, syn., USP, bots., 100-gram lots gram. .45 - .55
Ergosterol, unirradiated, cryst..kilo.150.00 - —
Ergot, NF, dms., tin-lined.....lb. 3.00 - —
Eserine salicylate, bots.....oz.29.75 -32.50
Sulfate, bots.....oz.34.50 -35.61
Ether (see specific product).
Ethyl acetate, nat. ferment., 85-88%, dms., c.l., frt. alld..lb. .13 - —
l.c.l., frt. alld.....lb. .14 - —
tanks, frt alld lb. .11 - —
95-96%, dms., c.l., frt. alld. lb. .13¼- —
l.c.l., frt. alld.....lb. .14¼- —
tanks, frt. alld.....lb. .11¼- —
Ethyl acetate, nat., ferment., 99%, dms., c.l., frt. alld.....lb. .13½- —
l.c.l., frt alld.....lb. .14½- —
tanks, frt. alld.....lb. .11½- —
syn., 85-98% dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd.....lb. .14 - —
tanks, dlvd.....lb. .11 - —
95-98%, dms., c.l., dlvd....lb. .13¼- —
l.c.l., dlvd.....lb. .14¼- —
tanks, dlvd.....lb. .11¼- —
99%, dms., c.l., dlvd.....lb. .13½- —
l.c.l., dlvd.....lb. .14½- —
tanks dlvd.....lb. .11½- —
Acetoacetate, dms., c.l., dlvd....lb. .55 - —
l.c.l., dlvd.....lb. .56½- —
Acrylate, dms., c.l., and truck load, works lb. .44½- —
less than truckload, works. lb. .45½- —
tanks, works.....lb. .42¾- —
Aminobenzoate, USP (see Benzocaine).
Bromide, tech., 98%, dms., c.l. lb. .41 - —
l.c.l.....lb. .43 - —
Butyl ketone, dms., c.l., works lb. .35½- —
l.c.l., works.....lb. .36 - —
tanks, works.....lb. .34 - —
Butyrate, works.....lb. .80 - 1.02
Carbamate (see Urethane).
Cellulose, vis. 7 cps., bgs., 5,000-lb. lots or more, works lb. .70 - —
smaller lots, works...lb. .72 - .80
vis., 10, 20, 50, 100, 150 cps., bgs., 2,000-lb. lots or more, works..lb. .65 - .70
smaller lots, works ...lb. .67 - .81
Chloride, tech., cyl., c.l., works..lb. .20 - .22
dms., c.l. same basis.....lb. .18 - .20
tanks same basis.....lb. .10 - —
USP, bots., cyls.....lb. .22 - .24

MONTROSE
CHEMICAL COMPANY

104-112 LISTER AVENUE

NEWARK, NEW JERSEY

tricresyl phosphate

dioctyl phthalate

dibutyl phthalate

EXCLUSIVE SALES AGENTS

R. W. GREEFF & CO., INC.

10 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

2205 TRIBUNE TOWER, CHICAGO, ILLINOIS

Ethyl Cinnamate—Gold Chloride

Ethyl cinnamate, cns ..... lb. 2.71 - 3.45
Ethanolamines, mixed, dms., c.l., frt. alld., E. Miss. lb. .42½- —
l.c.l., same basis ..... lb. .43½- —
tanks, same basis ..... lb. .40½- —
Ether, absolute, ACS, dms ..... lb. .37 - —
anesthesia, UPS, hospitals, 1-lb. cns lb. .89 - —
½-lb. cns ..... lb. .37 - —
¼-lb. cns ..... lb. 1.05 - —
solvent, USP, dms., c.l., dlvd. lb. .15¾- —
l.c.l., dlvd ..... lb. .16¾- —
tanks, dlvd ..... lb. .13¾- —
syn., dms., c.l., dlvd. E ..... lb. .12 - —
l.c.l., dlvd. E ..... lb. .13 - —
tanks, dlvd. E ..... lb. .10 - —
Gallate, dms., 100 to 2,000-lb. lots lb. 3.90 - 4.40
Iodide, cbys., works lb 3.30 - —
Methacrylate, dms., c.l., and less than truckload, works lb. .51½- .52
Morphine hydrochloride, USP, bots. .oz.11.85 - —
Nitrite (see Nitrous ether).
Oenanthate, dms. ..... lb. 1.00 - 1.50
Oleate, dms., l.c.l., works ..... lb. No prices.
Oxalate (see Diethyl oxalate).
Silicate dist. (see Tetraethylorthosilicate).
40% available SiO_2, dms., dlvd. lb. .53½- —
N-Ethyl-a-naphthylamine, dms., works, lb. 1.02 - —
N-Ethyl-o-toluidine, bbls ..... lb. .88 - —
Ethylamine (see Mono, Di- or Tri-)
N-Ethylaniline, dms., c.l., frt. alld, lb. .51 - —
l.c.l., frt. alld ..... lb. .52 - —
tanks, frt. alld ..... lb. .50 - —
Ethylbenzene, 99%, dms., c.l. ..... lb. .19½- .20¼
l.c.l. ..... lb. .20½- .21¼
tanks ..... lb. .18½- —

Ethylene dichloride, dms., c.l., dlvd. lb. .10¼- —
l.c.l., same basis ..... lb. .12¼- —
tanks, same basis ..... lb. .09 - —
Ethylene dichloride prices W. of Rockies 1c per lb higher.
Glycol, dms., c.l., dlvd. E ..... lb. .14¾- —
l.c.l., same basis ..... lb. .15¾- —
tanks, same basis ..... lb. .13 - —
Monobutyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., dlvd. E ..... lb. .21 - —
tanks, dlvd E ..... lb. .18½- —
Monoethyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., dlvd. E ..... lb. .21 - —
tanks, dlvd E ..... lb. .18½- —
Acetate, dms., c.l., dlvd. E lb. .18½- —
l.c.l., dlvd E ..... lb. .19½- —
tanks, dlvd. E ..... lb. .16½- —
Monomethyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., dlvd. E ..... lb. .21 - —
tanks, dlvd. E ..... lb. .18½- —
Acetate, dms., c.l., dlvd. E lb. .28¾- —
l.c.l., dlvd. E ..... lb. .29¼- —
tanks, dlvd. E ..... lb. .27 - —
Monostearate, triple pressed, dms lb. .34 - —
Oxide, dms., c.l., dlvd. E ..... lb. .21 - —
l.c.l., dlvd. E ..... lb. .24 - —
tanks, dlvd. E ..... lb. .15 - —
Trichloride (see Trichloroethane).
Ethylenediamine 85-88%, dms., c.l., dlvd. E., 100% basis lb. .46 - —
l.c.l., dlvd. E., 100% basis lb. .47 - —
tanks, dlvd. E., 100% basis lb. .44 - —

Ethylvanillin, cns., 25-lb. lots ..... lb. 6.75 - 7.30
smaller lots ..... lb 7.35 - 7.40
Eucalyptol, USP, cns., dms ..... lb 1.40 - 1.50
Eugenol, USP, bots. ..... lb. 2.70 - 3.55
Euphorbia herb, bls ..... lb. .15 - .17

F

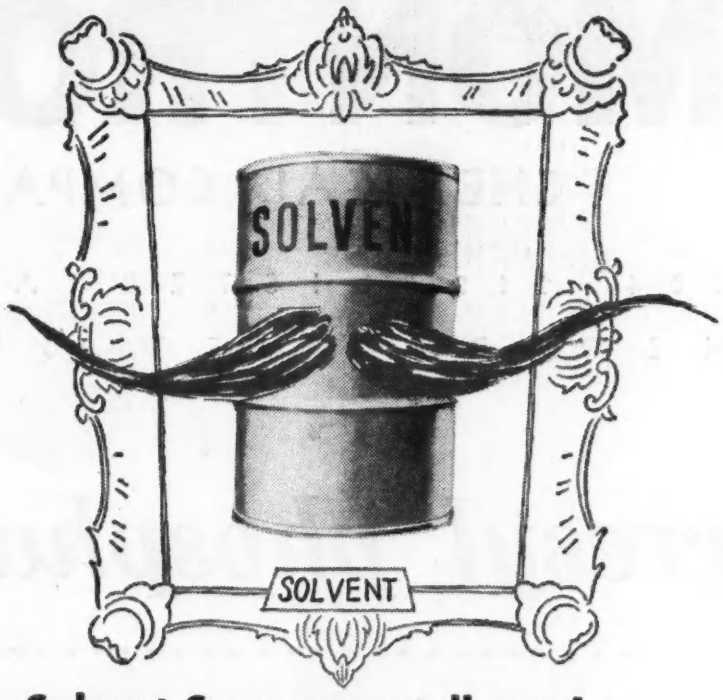
Feldspar, 140-200 mesh, bulk, c.l., works ..... ton.19.50 - —
Feldspar in bags $3 per ton higher.
Fennel seed, Argentine, bgs ..... lb. .11½- —
Czech, medium, bgs ..... lb. .11½- —
Indian, light, bgs ..... lb. .11½- —
Fenugreek seed, Moroccan, bgs. lb. .07½- —
Ferric acetate, liquor, 28°, bbls., c.l., works lb. .09 - —
l.c.l., works ..... lb. .09¾- —
soln., USP IX, cbys. ..... lb. .16 - —
djns. ..... lb. .17 - —
Cacodylate, NF, bots ..... lb.13.00 -14.00
Chloride, anhyd., tech., dms., c.l., works .100 lbs. 6.75 - —
l.c.l., works .100 lbs. 8.00 - —
indust., cryst., bbls., c.l., works, 100 lbs. 4.75 - 5.25
l.c.l., works ..... 100 lbs. 5.75 - 6.25
42° Be, cbys., c.l., works, 100 lbs. 7.25 - 8.25
tanks, frt. equald., 100% basis .100 lbs. 3.25 - —
USP, cryst., dms., works ..... lb. .07½- .09
Citrate, gran., dms. ..... lb. .86 - —
Glycerophosphate, NF, powd. lb. 4.75 - 4.85
Hydrophosphite, NF, dms. ..... lb. 3.45 - —
Naphthenate liq., 6% Fe., dms., frt. alld. lb. .25¾- —
Oxalate, gran., dms ..... lb. .85 - .87
Phosphate, NF, soluble, gran., pearls, cs. lb. .64 - .65

Ferric pyrophosphate, NF VII, soluble, gran., pearls, dms lb. .78 - .81
Resinate, 6¾% Fe, dms., frt. alld. lb. .29 - —
Stearate, dms., c.l., frt. alld ..... lb. .37 - —
l.c.l., frt. alld ..... lb. .38 - .42
Sulfate, partially hydrated, bgs., c.l., works ..... ton.31.75 -33.75
l.c.l., works ..... ton.34.75 -40.75
Ferric-ammonium citrate, brown, NF, gran., dms lb. .59 - —
green, USP XII, gran., dms lb. .59 - —
Oxalate, fine gran., dms ..... lb. .25½- .28½
Ferric-potassium, oxalate, fine gran., dms lb. .30½- .33½
Ferric-sodium oxalate, fine gran., dms lb. .25½- .28½
Ferrous gluconate, NF, dms ..... lb. .88 - —
Sulfate, gran., bgs., c.l., works. ton.34.50 - —
l.c.l., dlvd. Metropolitan area ..100 lbs. 3.35 - 4.25
bbls., c.l., works ..... ton.40.00 - —
bulk, c.l., works ..... ton.27.00 - —
USP, cryst., bbls., dms ..... lb. .09½- .10
Fir balsam, Canada, cns ..... gal.34.00 -35.00
Oregon, bbls ..... gal. 3.00 - —
Fishliver oil (see Oil fishliver).
Fishmeal, menhaden, ground, domestic, 60% protein, bags, Balto area ..ton.138.70 - —
Fishscrap, menhaden, dried, 60% protein, bgs., Balto area ton.134.00 - —
Formaldehyde, NF, (innibited), dms., c.l., Zone 1, dlvd lb. .062 - —
Zone 2 ..... lb. .065 - —
l.c.l., dlvd ..... lb. .069 - —
tanks, Zone 1, dlvd ..... lb. .0375- —
Zone 2, dlvd ..... lb. .0420- —
methanol-free (uninhibited), tanks, Zone 1, dlvd lb. .0345- —
Zone 2, dlvd ..... lb. .0395- —
Fleaseed (see Psyllium seed).
Fringetree bark, bls ..... lb. .60 - .61
Fuller's earth, bgs., c.l., Ill. mines. ton.19.00 - —
powd., insecticide grade, dried, bgs., c.l., Ga. or Fla. mines. ton.17.50 - —
calcined, bgs., c.l., same basis. ton.20.00- .21.75
oil-bleaching grade, 100-mesh, bgs., c.l., same basis. ton.16.50 -17.00
200-mesh, bgs., c.l., same basis. ton.17.50 -18.00
spent, bgs., c.l., shipt. point. ton. 4.50 - 5.00
Furfural, dms., c.l., works ..... lb. .13 - —
l.c.l., works ..... lb. .14 - —
tanks, dlvd. E ..... lb. .12 - —
dlvd. W ..... lb. .13 - —
Fusel oil, refd., dms., c.l., dlvd. lb. .17½- .22
l.c.l., dlvd ..... lb. .18½- .23
tanks, dlvd ..... lb. .15 - .20
Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .47½- —
No. 2, bbls., l.c.l ..... lb. .45½- —
No 3, bbls l.c.l ..... lb. .43½- —
liq., No. 1, bbls., l.c.l ..... lb. .22½- —
No. 2, bbls. c.l ..... lb. .21½- —
No. 3, bbls., l.c.l ..... lb. .19 - —
solid, No. 1, bxs., l.c.l ..... lb. .45 - —

G

G salt, 100% basis, bbls. frt alld lb. .73 - —
Gammapicoline (see g-Picoline).
Gelatin, edible, pure (pork skin), 75 Bloom test, bbl., c.l. lb. .57 - —
150 Bloom test, bbl., c.l. lb. .68 - —
200 Bloom test, bbl., c.l. lb. .74 - —
225 Bloom test, bbl., c.l. lb. .77 - —
275 Bloom test, bbl., c.l. lb. .84 - —
Gelsemium root, bls ..... lb. .23 - .24
Gentian root, bls ..... lb. .17 - .20
grd., bbls., bxs ..... lb. .22 - .23
powd., bbls., bxs ..... lb. .23 - .24
Geraniol, extra, cns., dms ..... lb. 1.90 - 2.20
standard, cns., dms ..... lb. .60 - 1.00
Geranyl acetate, cns ..... lb. 1.45 - 2.20
Ginger, oleoresin, NF, from African root, bots. lb. 4.00 - 7.75
from Jamaican root, bls. lb. 6.00 -10.25
Root, African, bls ..... lb. .32 - .33
Jamaica, No. 1, bgs ..... lb. Nominal.
No. 2, bgs ..... lb. .38 - .39
No. 3, bgs ..... lb. .36 - .37
Nigerian, split, bgs ..... lb. .29 - .30
Glauber's salt, anhyd. see Sodium sulfate).
Glue, bone, extracted, 86 jellygrams, bgs., c.l., dlvd. lb. .17 - —
104 jellygrams, same basis. lb. .19 - —
131 jellygrams, same basis. lb. .21 - —
164 jellygrams, same basis. lb. .23 - —
191 jellygrams, same basis lb. .25 - —
222 jellygrams, same basis lb. .26 - —
packers' 40 jellygrams, bgs., c.l., dlvd. lb. .15½- —
65 jellygrams, same basis. lb. .16½- —
86 jellygrams, same basis. lb. .17 - —
115 jellygrams, same basis. lb. .17½- —
135 jellygrams, same basis. lb. .18½- —
164 jellygrams, same basis lb. .19½- —
renderers' 100 jellygrams, bgs., c.l., dlvd lb. .15 - —
Bone glue, l.c.l., prices 1c. higher.
Hide, 70-94 jellygrams, bgs., c.l., dlvd. lb. .18 - —
95-121, bgs., c.l., dlvd ..... lb. .20 - —
122-149, bgs., c.l., dlvd ..... lb. .22 - —
150-177, bgs., c.l., dlvd ..... lb. .24 - —
178-206 bgs., c.l., dlvd ..... lb. .26 - —
207-236, bgs., c.l., dlvd ..... lb. .28 - —
237-266, bgs., c.l., dlvd ..... lb. .30 - —
267-298, bgs., c.l., dlvd ..... lb. .32 - —
299-330, bgs., c.l., dlvd ..... lb. .34 - —
331-362, bgs., c.l., dlvd ..... lb. .36 - —
363-394, bgs., c.l., dlvd ..... lb. .37 - —
395-427, bgs., c.l., dlvd ..... lb. .38 - —
428-460, bgs., c.l., dlvd ..... lb. .39 - —
461-494, bgs., c.l., dlvd ..... lb. .40 - —
495-529, bgs., c.l., dlvd ..... lb. .41 - .41
Hide glue l.c.l. prices 1c. higher.
Glycerine, nat., crude, saponification, 88%, to refineries, tanks, works lb. .23 Nom.
soapiye, 80%, tanks, works lb .21 Nom.
refd., BP, 98%, dms., c.l., dlvd. lb. .30½- —
l.c.l., dlvd ..... lb. .31 - —
tanks, dlvd ..... lb. .30 - —
dynamite, dms., c.l., dlvd. lb. .30½- —
l.c.l., dlvd ..... lb. .31 - —
tanks, dlvd ..... lb. .30 - —
high gravity, dms., c.l., dlvd. lb. .30½- —
l.c.l., dlvd. ..... lb. .31 - —
tanks, dlvd. ..... lb. .30 - —
USP, CP, 95%, dms., c.l., dlvd. lb. .29½- —
l.c.l., dlvd ..... lb. .30 - —
tanks, dlvd ..... lb. .29 - —
yellow, distilled, dms., c.l., dlvd. lb. .30 - —
l.c.l., dlvd ..... lb. .30½- —
syn., dms., c.l., dlvd ..... lb. .30½- —
l.c.l., dlvd ..... lb. .31 - —
tanks, dlvd ..... lb. .30 - —
Glycine (see Acid aminoacetic).
Glycerol (see Glycerine).
Glyoxal, 30%, dms., c.l., works lb. .18½- —
l.c.l., works ..... lb. .19 - —
tanks, works ..... lb. .18 - —
Gold chloride, acid-brown, bots. oz.22.50 -23.00
acid-yellow, bots ..... oz.20.00 -20.50

can a Solvent be "old-fashioned"?



a Solvent Survey can tell you!

The lacquer solvent picture is changing. Many old standards are holding their own but others are being replaced by more effective, less expensive solvents—solvents to precisely meet your special needs. Picking the "perfect" solvent is a job for a specialist. That's where your Celanese representative comes in.

He offers you a wide range of solvents, special and standard ... long personal experience in the lacquer field ... and the facilities and services of the fully-equipped paint technology section of Celanese Technical Service & Application Laboratories—ready to review formulations, make tests, comparisons, costs analyses.

A revaluation of your solvent picture can give you the competitive edge you want. Ask your Celanese representative for the details. Celanese Corporation of America, Chemical Division, Dept. 656-K, 180 Madison Avenue, New York 16, N. Y.

SPECIALIZED

Acetone
n-Propanol
n-Propyl Acetate
n-Butyl Acetate
Isobutanol
n-Butanol
Celanese Solvent 203
Celanese Solvent 601
Celanese Solvent 901-H
Methanol

Celanese* CHEMICALS

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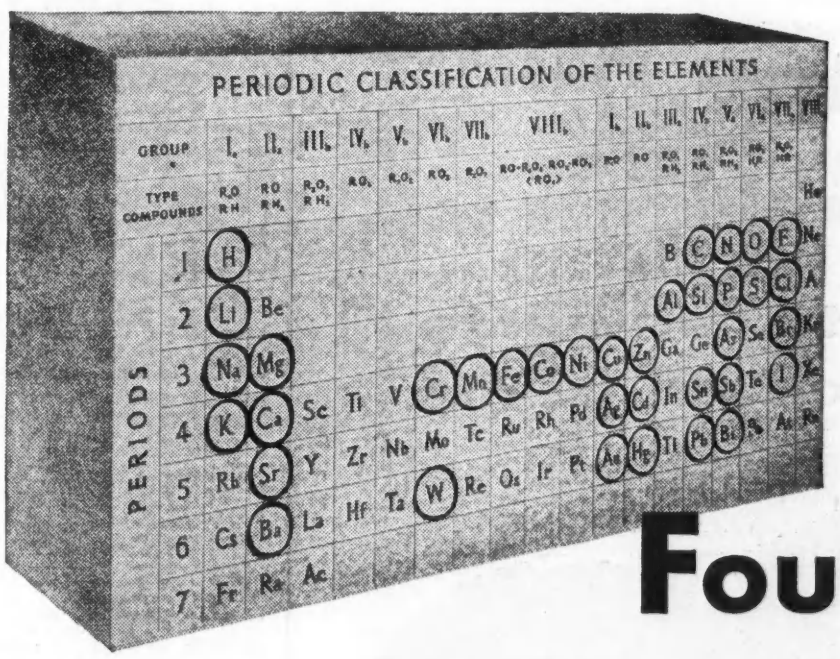
K	Ca		Cr	Mn	Fe	Co	Ni	Cu	Zn				As		Br
	Sr							Ag	Cd			Sn	Sb		I
	Ba		W					Au	Hg			Pb	Bi		



the Foundation

Many factors
are involved in the final quality of a product
in the process industries. The inside story of many difficulties, however,
is often imperfect starting materials – chemicals, for example.
They are the foundation.
Let something go wrong at the beginning and there is often no cure,
no way to avoid trouble, expense and rejections. That's why so many concerns
start with Mallinckrodt chemicals. They're exactly right, always dependable,
and most chemicals you might need are immediately available.
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to meet specific problems – Mallinckrodt will help you in a hurry
with the right chemical in the right physical form.
An important advantage of a chemical plant like Mallinckrodt's is flexibility
of research and production facilities.

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Golden Seal Root—Isoniazid

Golden seal root, NF, tested, bls. lb. 2.25 - 2.50
powd., bxs lb. 2.75 - 3.25
Graphite, amorph., powd., bgs., fib. dms., ex whse lb. .06 - .09½
crystalline, 88-90%, powd., bgs., fib. dms., ex whse lb. .19 - .21½
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31½
flake, No. 1, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
No. 2, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, brown, tanks, dlvd lb. .06½- —
house, tanks, dlvd lb. .06¾- —
white, choice, not all hog, tanks, dlvd lb. .08¾- —
yellow, tanks, dlvd lb. .07 - —
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs, works. lb. 5.10 - —
tungstated, PTMA, kgs., works lb. 6.00 - —
Chrome, CP, dark, light, medium, blue content 1 to 15%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minn., Davenport, Rock Island, St. Louis lb. .38 - —
16-30%, bbls., same basis lb. .39 - —
31-45%, bbls., same basis. lb. .40 - —
45-49%, bbls., same basis. lb. .43 - —
50%, bbls., same basis lb. .48 - —
Green, chrome, reduced color, 25%, bbls., same basis lb. .19 - —

Chrome green prices are ½c. higher, dlvd., at the following points, except as noted:—Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., dms., c.l., frt. alld lb. 1.00 - 1.10
pure, bgs., c.l., frt. alld lb. .59¼- —
l.c.l., same basis lb. .39¾- —
Dyes (see Dyes, coaltar).
Malachite, straight, PTMA, bbls., works lb. 4.60 - —
Paris (see Paris green).
Phthalocyanine toner, bbls., works. lb. 3.95 - —
resinated, bbls lb. 3.50 - —
water dispersable, bbls lb. 1.71 - —
Pigment B, kegs lb. 1.35 - —
paste, kegs lb. .38 - —
Grindelia robusta herb, bls lb. .38 - .40
Guaiacol, NF, cryst., dms., tins lb. 2.10 - 2.15
liq., cbys., dms lb. 2.30 - 2.40
Carbonate, NF VII, dms lb 3.40 - 3.45
Gum, aloe (see Aloe).
Arabic, amber, sorts, bgs lb. .20 - .21
powd., USP, bbls lb. .26 - .28
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs lb. .38 - .42
Camphor (see C).
Cellulose, high vis., bgs., 23,000-lb. lots or more, works, frt. alld. lb. .55 - —
smaller lots, same basis lb. .57 - —
Gum, copal, Congo, No. 1, bgs lb. .21 - .23
No. 2, bgs lb. .18½- .20
No. 3, bgs lb. .16½- .18
Manila C, bgs lb. .40 - .42
CBB, bgs lb. .29 - .31
DBB, bgs. lb. .27 - .28
DK, bgs lb. .20 - .22
dust, bgs lb. .12 - .13
MA, soft, bgs lb. .20½- .21½
WS, bgs lb. .32 - .36
Philippine, pale, chips, bgs lb. .24 - .25
nubs, bgs lb. .30 - .32
seeds, bgs lb. .18 - .20
sorts, bgs lb. .20½- .22½
Pontianak, chips, bgs lb. .21 - .23
nubs, bgs lb. .38 - .40
Dammar, Batavia, A/E, cs lb. .27 - .29
dust, bgs lb. .16½- .17½
E, bgs lb. .20 - .22
East India, batu, bold, bgs lb. .14 - .15½
nubs and chips, bgs lb. .07½- .09
black, bold, bgs lb. .14 - .16
unscraped, bgs lb. .11 - .13
nubs and chips, bgs lb. .11 - .13
pale, chips, bgs lb. .13½- .14½
nubs, bgs lb. .18 - .20
Siam, cs lb. .35 - .37
Singapore, No. 1, bgs lb. .40 - .42
No. 2, bbls lb. .27 - .29
No. 3, bbls lb. No prices.
dust, bgs lb. .16½- .17
seeds, bgs lb. .20 - .22
Ester, gum-rosin type, dms., c.l., dlvd. fill., Ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .15½- —
wood-rosin type, dms., c.l., same basis lb. .15 - —
Karaya, NF, powd., No. 1, bbls. lb. .38 - .42
No. 2, bbls lb. .32 - .36
No. 3, bbls lb. .27 - .30
Locust bean, powd., bgs lb. .31 - .33
Gum, myrrh, cs lb. .38 - .40
Opium (see O).
Olibanum siftings, cs lb. .15 - .20
tears, cs. lb. .22 - .30
Rosin (see Naval Stores, Protective Coatings Market).
Sterculia (see Gum Karaya).
Tragacanth, No. 1, ribbons, cs lb. 2.95 - 3.00
No. 2, cs lb. 2.45 - 2.50
No. 3, cs lb. 1.75 - 1.80
powdered, USP, bbls lb. 1.25 - 1.35
Gypsum, plaster of paris, 100-lb. paper, bgs., trucks, dlvd. N. Y. C. ton 20.30 - —
terra alba, dom., same basis ton 19.00 - —
works, N. Y. C. ton 16.00 - —
imp. English, 100-lb. paper bags, ex dock, N. Y. C. ton 55.00 - —
ex warehouse ton 60.00 -62.00

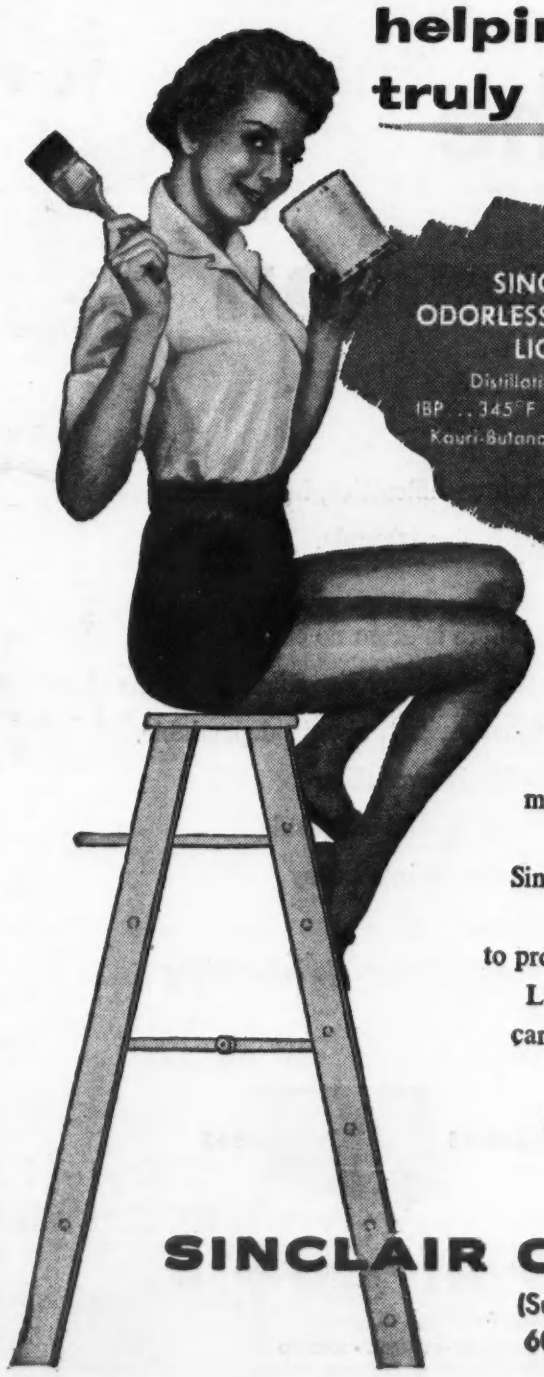
H

Hawthorn berries, bgs. lb. .28 - .32
Heliotropin, cryst., cns lb. 3.50 - 4.25
Hellebore root dom. green, bls lb. .55 - .65
Helonias root, bls lb. 1.75 - 2.00
Hematine extract, cryst., No. 1, bbls., l.c.l. lb. .47 - —
No. 2, bbls., l.c.l. lb. .43 - —
No. 3, bbls., l.c.l. lb. .41 - —
No. 4, bbls., l.c.l. lb. .39 - —
No 5, bbls., l.c.l. lb. .37 - —
paste, No 1, bbls., l.c.l. lb. .20½- —
Henbane leaves, bls lb. .35 - .40
Heptane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .14¾- —
Borger, Tex gal. .14¾- —
Hesperidin methylphalcone, bots., works lb 50.00 - —
Hexachlorophene, dms lb. 2.60 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb. lots or more, Perth Amboy or N.Y.C. lb. .232 - —
smaller lots, same basis lb. .242 - —
fib. dms., 1,000-lb. lots or more, same basis lb. .239 - —
smaller lots, same basis lb. .249 - —
USP, dms., 500-lb. lots or more, same basis lb. .40½- —
smaller lots, same basis lb. .41½- —
Hexamine (see Hexamethylenetetramine).
Hexane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .15½- —
Borger, Tex gal. .13½- —
1-Hexanol, dms., c.l., works lb. .34½- —
l.c.l., works lb. .35 - —
tanks, works lb. .33 - —
Hexyl cinnamic aldehyde, dms lb. 4.50 - 7.50
Salicylate, dms. lb. 1.75 - —
Hexylene, glycol, dms., c.l., dlvd lb. .16 - —
l.c.l., dlvd lb. .17 - —
tanks, dlvd lb. .14 - —
n-Hexyl methacrylate, dms., less than truckload, works lb. .71 - —
Hexylresorcinol, USP, dms., 50-lb. lots or more, dlvd lb. 14.00 - —
smaller lots, dlvd. lb. 14.50 - —
Histamine diphosphate, USP, bots. kilo. 450.00 - —
l-Histidine hydrochloride, NF, fib. dms., 50-kilo lots, works. kilo. 80.00 -85.00
1-5 kilo lots, works kilo. 90.00 -95.00
Homatropine hydrobromide, USP bcls oz 9.35 -10.60
Methylbromide, USP, bots oz. 8.50 - 9.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago unit-ton. 7.00 - —
Horehound herb, bls. lb. .16 - .19
Hydrastine, bots oz. 29.50 -31.00
Hydrochloride, NF, bots oz. 29.50 -31.00
Sulfate, bots oz. 35.00 -37.00
Hydrastinine, 10-grain bots bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrazine, free base, ret. dms., Lake Charles, La lb. 3.00 - 3.30
Hydrate, 100%, ret. dms., Lake Charles, La lb. 1.75 - 1.95
85%, ret. dms., same basis lb. 1.35 - 1.55
Hydrocortisone acetate, bulk, bots., dms gram. 6.00 - —
alcohol, bulk, bots., dms gram. 6.00 - —
Hydrofuramide, dms., fib. ctns., works lb .30 - .40
Hydrogen chloride, anhyd., 90-lb. cyls., c.l., works lb. .45 - —
l.c.l., works lb. .55 - .60
Fluoride, anhyd., cyls., dlvd. E lb. .30½- .32¼
cyls., dlvd., W lb. .39 - —
tanks, works lb. .21 - —
Peroxide, USP bbls. dlvd lb. .03¾- .05
35%, cbys., c.l., dlvd lb. .228 - —
dms., c.l., dlvd lb. .202 - —
l.c.l., dlvd. lb. .211 - —
tanks, dlvd. lb. .1800- —
Hydroquinone photo grade, bbls. dms. lb. .98 - 1.00
tech., dms., c.l., dlvd lb. .77½- —
l.c.l., same basis lb. .79½- —
Hydroxycitronellal, cns lb. 5.10 - 6.00
Hoscine salts (see Scopolamine.)
Hyoscyamine, bots oz. 15.75 -16.00
Hydrobromide, bots. oz. 11.00 -12.00
Sulfate, bots oz. 10.50 -11.50
Hypernic extract, cryst., No. 2, bbls., l.c.l. lb. .52 - —
liq., No. 1, bbls., l.c.l. lb. .35 - —
No. 2, bbls., l.c.l. lb. .27 - —

I

Ichthammol, NF, dms lb. .60 - .78
Indian red (see Red, Indian).
Indigo (see Dyes, coaltar, 1171 Indigo synthetic).
Indole, CP, bots lb. 17.00 -21.00
Inositol, bots., dlvd lb. 5.00 - —
dms., dlvd. lb. 4.50 - 4.75
Insect flowers (see Pyrethrum).
Iodine, crude, kgs lb. 1.15 - —
resub, USP, kgs, dms lb. 2.30 - 2.32
Iodochlorohydroxyquinolin, USP, dms lb. 5.90 - —
Iodoform, NF, dms., kgs lb. 4.90 - 5.00
a-Ionone, cns lb. 3.85 - 8.25
b-Ionone, cns lb. 4.30 -11.25
Methyl (see under M)
Ipecac, root, bgs lb. 8.00 - —
powd., bbls., bxs lb. 8.50 - —
Irish moss, bleached, prime, bls lb. .30 - .35
Iron Compounds (see Ferric or Ferrous).
Isoborneol, cns lb. 1.25 - 1.70
Isobornyl acetate, cns lb. .62 - .95
formate, dms. lb. .90 - —
Propionate, dms. lb. 1.15 - 1.45
Isobutyl acetate, perfume grade, cns lb. .75 - 1.00
solvent grade, dms., c.l., dlvd E. of Rockies lb. .13¼- —
l.c.l., same basis lb. .14¼- —
tanks, same basis lb. .11¼- —
Isobutyraldehyde, CP, dms., c.l., dlvd lb. .27½- —
l.c.l., dlvd lb. .29½- —
tech., dms., c.l., dlvd lb. .21½- —
l.c.l., dlvd lb. .22½- —
tanks, dlvd lb. .19½- —
Isoeugenol, cns lb. 3.45 - 4.25
Isoniazid, powd., bulk, 25-kilo lots or more kilo. 23.00 -25.50
smaller lots kilo. 24.00 -26.00

"Sinclair helps make painting fun" by helping to formulate truly odorless paints



Keep her happy with *your* paint and you're bound to build volume with repeat sales.

Use either of Sinclair's two types of odorless mineral spirits and you're sure to produce a superior odorless paint. One reason is that Sinclair maintains a fleet of special tank cars used *exclusively* for Odorless Solvent service to protect your shipment against contamination.

Light and Heavy available in full and split tank car quantities — prompt shipment to meet your production requirements. For samples, prices and complete information on Sinclair Odorless Solvents, write or call —

SINCLAIR CHEMICALS, INC.
(Subsidiary of Sinclair Oil Corporation)
600 Fifth Avenue, New York 20, N. Y.

Isopentane, coml. grade, tanks, f.o.b. Tex. refy. gal. .15¼ - —
Isonicotinic acid hydrazide (see Isoniazid).
Isophorone, dms., c.l., works lb. .24¼ - —
l.c.l., works lb. .24¾ - —
tanks, works lb .22½ - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., dvld. lb. .12 - —
l.c.l., same basis lb. .13 - —
tanks, same basis lb. .10 - —
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether, dms., c.l., dlvd lb. .07 - —
l.c.l., dlvd lb. .08 - —
tanks, dlvd lb .05 - —
Isopropylamine (see Mono, Di, or Tri-).
Isoquinoline, dms., works lb. .65 - 1.25

J

Jalap root, NF, bls lb. .38 - .55
powd., bbls., bxs lb. .49 - .66
Juniper berries, bgs lb. .18 - .20
Tar, NF, dms lb. .42 - .60

K

Kaolin (see also Clay China).
NF, powd., fib. dms lb. .08 - .16¼
collodial, fib. dms lb. .15 - .15½
Kola nuts, bgs lb. .12 - —

L

Lactose, crude, bgs., c.l., works lb. .13 - —
edible, fib. dms., 30,000-lb. lots, works lb. .22 - —
2,000-lb. lots, works lb. .22¾ - —
200-1,800-lb. lots, works lb. .23¼ - —
Edible lactose in bgs., 1c. lower.
USP, fib. dms., 30,000-lb. lots, works lb. .24 - —
2,000-lb lots, works lb. .24¾ - —
200-1,800-lb. lots, works lb. .25¼ - —
USP lactose in bgs., 1c. lower.
Lady's slipper root, bls lb. 1.70 - 1.75
Lanolin, cosmetic, dms., works lb. .33 - .38
USP, anhyd., dms., works lb. .30 - .33
hydrous, dms., works lb. .29 - .32
Lard, cash, dms., Chicago lb. .16½ Nom.
Larkspur seed, bgs lb. .20 - .23
Lauryl chloride, dist., dms. c.l., works, frt. equald lb. .74 - —
l.c.l., same basis lb .75 - —
Methacrylate, normal, dms., c.l. or truckload lb. .65¼ - —
Lavender flowers, medium, bls lb. .55 - .60
ord., bls lb. .16 - .20
select, bls lb. .90 - —
Lead acetate, white, cryst., bbls. lb. .23 - —
gran. bbls lb. .22 - —
powd., bbls lb. .23 - —
NF, cryst., gran., powd lb. .31 - .33
Arsenate, acid powder, dealers, 3-lb. bgs, or larger, c.l., frt. alld. on 96 lbs. or more lb. .27½ - —
l.c.l., frt. alld lb. .28½ - —
1-lb. bgs., c.l. lb. .41½ - —
l.c.l. lb. .42½ - —
Blue, basic sulfate, bbls., c.l., shipt. point, frt. alld lb. .15¾ - —
l.c.l., same basis lb. .16¾ - —
Carbonate (see Lead, white).
Chloride, dms lb. .45 - —
Iodide, NF, V jars lb. 3.82 - —
Linoleate, fused, 26% Pb, dms. lb. .33 - —
Metal, pigs, prime, N. Y lb. .15 - —
St. Louis lb. .1480 - —
Metallic paste, dms., 20,000-40,000-lb. lots, works lb. .33¾ - —
10,000-20,000-lb. lots same basis lb. .34¾ - —
2,000-10,000-lb. lots, same basis lb. .35¼ - —
200-2,000-lb. lots, same basis. lb. .35¾ - —
Prices ex whse. Jersey City, N. J., 4½c. per lb. higher.
Monosilicate, bgs., c.l., works, frt. equald lb. .1580 - —
l.c.l., same basis lb. .1630 - —
Naphthenate, liq., 16% Pb, dms., dlvd lb. .17¼ - —
24% Ph., dms., dlvd lb. .23¾ - —
solid, 37% Pb., dms., dlvd lb. .31¼ - —
Nitrate, bbls lb. .22¼ - —
Orthosilicate gel., 50% PbO_2, dms., works lb. .32¾ - —
60% PbO, dms., works lb. .31¾ - —
Peroxide, powd., tech., bbls lb. .38¾ - .40¼
Phthalate, dibasic, dms., works. lb. .41 - —
Red, 95% Pb_3O_4, or less, bbls., c.l., works, frt. equald lb. .17½ - —
l.c.l., same basis lb. .18 - —
97% Pb_3O_4, bbls., c.l., same basis lb. .17¾ - —
l.c.l., same basis lb. .18 - —
98% Pb_3O_4, bbls., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .18½ - —
Resinate, precip., 23% Pb, dms., dlvd lb. .31 - —
Salicylate, normal, dms., works lb. .46 - —
Sulfate (see Lead, blue, basic sulfate; Lead, white, basic sulfate).
Tallate, liquid, 16% Pb, dms. lb. .15¼ - —
24% Pb, dms lb. .20¼ - .20¼
White, basic carbonate, bgs., c.l., shipt. point, frt. alld. lb. .17½ - —
l.c.l., same basis lb. .18½ - —
basic silicate, bgs., c.l., shipt. point, frt. alld. lb. .16 - .19¼
l.c.l., same basis lb. .17 - .20¼
basic sulfate, bgs., c.l., shipt. point, frt. alld. lb. .15¾ - —
l.c.l., same basis lb. .12¾ - —
Lecithin, edible, tech., bleached, non-ret, dms., c.l., works lb. .15 - .17
l.c.l., same basis lb. .15½ - .17½
unbleached, non-ret., dms., c.l., same basis lb. .13 - .15
l.c.l., same basis lb. .14½ - .16½
dl-Leucine, dms., works lb. 12.25 - 15.00
Licorice root, whole, bbls. lb. .08 - .12
gran., bbls. lb. .12 - .17
powd., bbls. lb. .10 - .15
Lignosulfonate, 70% tannin, bgs., c.l., works lb. .06½ - —
l.c.l., works lb. .06¾ - —
Lime, agricultural, bulk, works ton. 14.50 - —
Chemical (quicklime) lump, pebble, bulk, Adams, Mass. ton. 12.50 - —
Annville, Pa ton. 11.50 - —
Austin, Texas ton. 9.50 - —
Bellefonte, Pa. ton. 11.50 - —
Buffalo, N. Y. ton. 14.00 - —
Cedar Hollow, Pa. ton. 11.50 - —
Duluth, Minn. ton. 12.50 - —
El Paso, Texas ton. 14.00 - —
Farnams, Mass ton. 14.00 - —
Gibsonburg, Ohio ton 12.50 - —
Hannibal, Mo ton. 10.00 - —
Keystone, Ala ton 10.25 - —
Kimballton, Va ton. 10.25 - —
Knoxville, Tenn ton 10.50 - —
Lee, Mass. ton. 12.50 - —
Lewisburg, Ohio ton. 10.00 - —
Limedale, Ark ton. 10.00 - —
Los Angeles, Cal ton. 25.10 - 26.84
Marble Cliff, Ohio ton. 10.00 - —
Martinsburg, W. Va. ton. 11.00 - —
Lime, chemical (quicklime), lump, pebble, bulk, Mosher, Mo. ton. 10.75 - —
Nelson, Ariz. ton. 14.50 - 23.65
Quincy, Ill. ton. 10.00 - 13.00
Reddick, Fla ton. 13.50 - —
Scotrock, Ala. ton. 10.25 - —
Springfield, Mo. ton. 12.25 - —
Winooski, Vt ton. 15.50 - —
Woodville, Ohio ton. 11.50 - —
York, Pa ton. 15.50 - —
Hydrated, paper bgs., Adams, Mass. ton. 15.50 - —
Annville, Pa ton. 14.50 - —
Austin, Texas ton. 13.00 - —
Bellefonte, Pa ton. 14.50 - —
Buffalo, N. Y ton. 16.00 - —
Cedar Hollow, Pa. ton. 14.50 - —
Chicago, Ill ton. 15.00 - —
Duluth, Minn ton. 14.00 - —
El Paso, Texas ton. 17.50 - —
Engle, W. Va ton. 14.50 - —
Farnams, Mass. ton. 14.00 - —
Gibsonburg, Ohio ton. 16.50 - —
Hannibal, Mo. ton. 12.00 - —
Keystone, Ala. ton. 13.50 - —
Kimballton, Va ton. 13.50 - —
Knoxville, Tenn. ton. 13.00 - —
Lee, Mass ton. 15.50 - —
Lewisburg, Ohio ton. 14.00 - —
Limedale, Ark. ton. 12.00 - —
Marble Cliff, Ohio ton. 13.50 - —
McNeil, Tex ton. 13.00 - —
Meneminee, Mich. ton. 14.00 - —
Mosher, Mo ton. 13.00 - —
North Tazewell, Va. ton. 12.75 - —
Quincy, Ill. ton. 10.00 - 12.00
Reddick, Fla ton. 16.00 - —
Scotrock, Ala ton. 13.50 - —
Springfield, Mo. ton. 12.25 - —
Winooski, Vt. ton. 15.50 - —
Woodville, Ohio ton. 14.50 - —
York, Pa ton. 14.50 - —
Lime, spray, paper bgs., Adams, Mass. ton. 17.00 - —
Annville, Pa ton. 17.00 - —
Austin, Texas ton. 13.00 - —
Bellefonte, Pa. ton. 17.50 - —
Carey, Ohio ton. 11.00 - —
Duluth, Minn. ton. 15.00 - —
Engle, W. Va. ton. 14.50 - —
Farnams, Mass ton. 14.00 - —
Gibsonburg, Ohio ton. 16.50 - —
Keystone, Ala. ton. 13.50 - —
Kimballton, Va ton. 13.50 - —
Lee, Mass ton. 17.00 - —
Lewisburg, Ohio ton. 16.00 - —
Marble Cliff, Ohio ton. 16.00 - —
McNeil, Tex ton. 16.00 - —
Meneminee, Mich ton. 14.00 - —
Mosher, mo. ton. 13.00 - —
North Tazewell, Va ton. 12.75 - —
Reddick, Fla. ton. 16.00 - —
Rockland, Me. ton. 10.00 - —
Springfield, Mo. ton. 12.25 - —
Scotrock, Ala. ton. 13.50 - —
Winooski, Vt. ton. 17.00 - —
Woodville, Ohio ton. 16.50 - —
York, Pa ton. 15.50 - —
Lime salts (see Calcium).
Lime-ammonia nitrogen 20.5% N (see Ammonium nitrate with dolomite).
Limestone, grd., bgs., works ton. 3.50 - 4.00
Linalool, ex bois de rose oil, dms. lb. 5.95 - 6.70
ex lignaloe wood oil, dms lb. 5.30 - 7.10
Linalyl acetate, ex bois de rose, 90-92%, dms lb. 5.33 - 6.23
96-98%, dms lb. 6.75 - 7.15
ex petitgrain, bots lb. 3.90 - 5.25

Isopentane—Lithopone

Lindane, 25% formulation, dealers, dms., works lb. 1.58 - —
99%, tech., dealers, dms., dlvd., lb. 3.10 - —
Linden flowers with leaves, bls lb. .34 - .35
without leaves, bls lb. .40 - .41
Linseed meal, expeller, 32-34% bulk, Midwest, mills ton. 69.00 - —
extracted, 36%, bulk, same basis. ton 65.00 - —
Litharge, coml., powd., bbls., c.l., works, frt. equald lb. .16½ - —
l.c.l., same basis lb. .17 - —
Lithium benzoate dms lb 1.65 1.67
Bromide, NF, dms., works, frt. equald lb. 2.16 - —
Carbonate, tech., c.l., works and dlvd lb. .95 - 1.00
l.c.l., same basis lb. 1.00 - 1.20
NF, c.l., dlvd lb. 1.45 - —
l.c.l., dms lb. 1.50 - 1.65
Chloride, CP, anhyd., ton lots lb. 1.45 - —
tech., cryst., dms lb. 1.10 - 1.25
Citrate, NF, dms lb. 1.60 - 1.64
Fluoride, bbls., 10,000-lb. lots lb. 2.15 - —
ton lots lb. 2.20 - —
less ton lots lb. 2.25 - —
Hydride, powd., dms., works lb. 12.00 - 14.00
Hydroxide, monohydrate, dms., ton lots lb. 1.10 - —
Manganite, dms., works lb. .95 - 1.15
Nitrate, dms., 100-lb. lots lb. 2.25 - —
Salicylate, dms lb. 1.60 - 1.70
Silicate, dms., works lb. 1.10 - 1.30
Sulfate, dms., 100-lb. lots lb. 1.45 - —
Lithopone, ord., bgs., c.l., dlvd lb. .07½ - —
l.c.l., dlvd lb. .08¼ - .08¼
titanated (high-strength), bgs., c.l., dlvd lb. .10 - —
l.c.l., dlvd lb. .11 - —
Litnopone prices, Pacific Coast, 1c. per lb. higher.

The Industries We Serve—**PLASTICS**

Billion Dollar Giant—At Their Service!

So many *good* things are made of plastics today. From the time you comb your hair in the morning until you snap off your television set at night, the magic realm of plastics is at your service. There's hardly another material as strong, light, durable or as easily processed into eye-appealing forms as the products of this giant young industry, which has doubled its growth every five years since 1930.

As an integrated producer of coal-derived products, Pittsburgh Coke & Chemical provides plastics makers with many of their important "building block" chemicals—phthalic anhydride, benzene and phenol, to name just a few.

And the company's Plasticizer Division is one of the nation's leading basic producers of the important compounds that impart flexibility to your vinyl floor tile, garden hose and scores of other useful products in your home and business.

Pittsburgh PX Plasticizers—and all other products of our ten integrated divisions—are quality-controlled from coal to final processing: *better* products for industry and agriculture . . . because Pittsburgh is *basic.*

PITTSBURGH COKE & CHEMICAL CO.
Grant Building • Pittsburgh 19, Pa.

WBD-5295B

COAL CHEMICALS • AGRICULTURAL CHEMICALS • FINE CHEMICALS • PROTECTIVE COATINGS • PLASTICIZERS • ACTIVATED CARBON • COKE • CEMENT • PIG IRON

Lobelia Herb—Methyl Testosterone

Lobelia herb, bls.....lb. 1.25 - Nom.
Lobeline sulfate, bots., works oz.29.50 -33.50
Logwood extract, cryst., No. 1, bbls., l.c.l. lb. .41 - —
No 2, bbls l.c.l. lb. .39 - —
liq., No. 1, bbls., l.c.l. lb. .20 - —
No 2, bbls. l.c.l. lb. .19 - —
No 3, bbls l.c.l. lb. .18½- —
solid, No. 1, l.c.l. lb. .35 - —
Lycopodium, cs .....lb. 1.50 - —
dl-Lysine hydrochloride, bots...kilo.140.00 -150.00

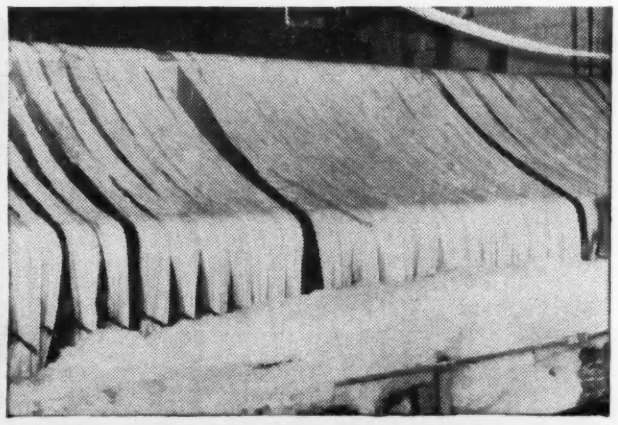
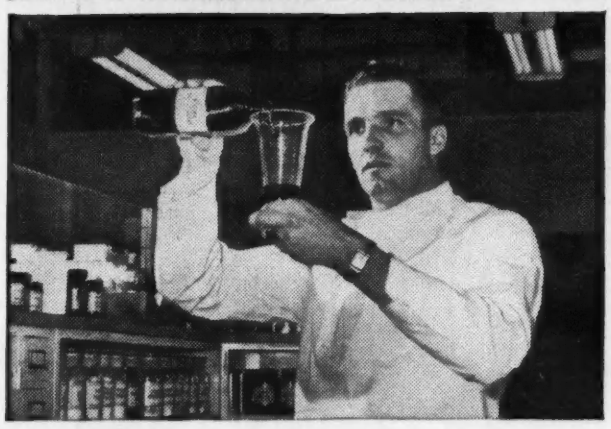
M

Mace, Siauw, No. 1, bls .....lb. 1.35 - —
West Indian, No. 1, bls.....lb. 1.40 - —
Magnesia, calcined, tecn., ctns., works lb. .32 - .34¾
syn. rubber grade, light, bgs., works lb. .23 - .25
extra light, works.....lb. .31 - —
USP, light, ctns.....lb. .34 - .36
heavy, bbls .....lb. .36 - .38
Magnesite, chemical grade, calcined, powd., bgs., c.l., works, frt. equald ton.82.50 - —
dead-burnt, standard grain, bulk, c.l., Chewalah, Wash. ton.38.00 - —
Magnesium bromide, jars.....lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .10½- —
truckloads, frt. equald lb. .11 - —
l.c.l., frt. alld.....lb. .12 - .13
USP, bgs., c.l., frt. equald lb. .12½- —
l.c.l., frt. alld.....lb. .13½- —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties and to Phila county, Pa. Frt. equald with N. Y. C. on all other destinations.

Magnesium chloride, anhyd., 92% flake or pebble, dms., c.l., works..lb. .12¾- —
l.c.l., same basis ....lb. .14 - .15
hydrous, 99% flake, bgs., c.l., works..ton.50.00 - —
l.c.l., bgs .....ton.55.00 -105.00
Gluconate, dms., cns.....lb. 1.30 - 1.37
Glycerophosphate, dms., works lb. 5.40 - 5.50
Hydroxide, NF, medicinal, bbls., dms. kgs lb. .26½- .30
Metal, 99.8% ingots, cs., works lb. .27 - .2820
sticks, cs., works, frt. alld. on carlots lb. .46 - .48
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .10
Sulfate, tech., bgs., c.l., works, 100 lbs. 2.15 - —
l.c.l., works .....100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 with-drawal .100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Trisilicate, USP, dms., 5,000-lb. lots lb. .38 - —
1,000-lb lots .....lb. .40 - —
100-lb. lots .....lb. .45 - —
Bulky and super grades of magnesium trisilicate, 7c. per lb. higher.
Malathion, dms., works.....lb. 1.05 - —
Maleic anhydride, dms., c.l., dlvd. E lb. .27 - —
l.c.l., dlvd. E.....lb. .28 - —
Prices on maleic anhydride W of Rockies, 1½c. higher.

Mandrake root, bls.....lb. .32 - .34
Manganese acetate, bbls., dlvd..lb. .35 - —
Arsenate, bgs.....lb. .16 - —
Borate, tech., bbls.....lb. .34 - —
Carbonate, bbls., works.....lb. .22 - —
Chloride, anhyd., dms., works.lb. .25½- —
Dioxide, African, 84-87%, 40,000 to 99,999-lb. lots, paper bgs., gruss for net, works, ton.88.00 - —
paper-lined burlap bgs., works..ton.91.50 - —
dms., works.....ton.94.00 - —
Prices for manganese dioxide in 10,000 to 40,000-lb. lots, $3 per ton higher.
Gluconate, dms.....lb. 1.79 - 1.93
Glycerophosphate, NF, fib dms lb. 4.70 - 4.80
Hydrate, bbls., dlvd.....lb. .36 - —
Hypophosphite, NF, dms .....lb. 3.52 - —
Linoleate, liq., 4.35% Mn., dms, lb. .32½- —
solid, precip., 8.2% Mn, bbls. lb. .37½- —
Metal, cs., dlvd. East.....lb. .30 - .33
Naphthalene, liq., 6% Mn., dms., frt. alld lb. .27 - —
Resinate, fused, 3½% Mn., dms lb. .23 - —
precip., 6½-7% Mn., dms lb. .27 - —
Sulfate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E..ton.80.50 - —
l.c.l., dlvd. S. E.....ton.87.50 - —
Tallate, 6%, dms.....lb. .24 - —
Mangrove bark, E. African, 38% tannin, c.l., ex dock..ton.69.00 -70.00
So. American, 30% tannin, c.l., ex dock..ton.55.00 -58.00
Mannitol, coml., dms., works....lb. .40 - .43
Melamine, bgs., ton lots, works lb. .33 - —
500 to 2,000-lb lots, works lb. .33½- —
smaller lots, works.....lb. .38½- —
Menadione, USP, bots. .....gram. .06 - .06½

Menthol, nat., USP, Brazilian, cs..lb. 8.65 - 8.75
Japanese, cs.....lb. 13.00 - —
syn., USP, racemic, cns.....lb. 5.45 - —
Menthyl salicylate, tins.....lb. 4.00 - 4.25
2-Mercaptobenzothiazole, bgs., fib, dms., ton lots, works, frt. alld. lb. .38 - —
less ton lots, same basis lb. .40 - —
Mercaptobenzothiazyl disulfide, bgs., fib, dms., ton-lots, works, frt. alld. lb. .48 - —
less ton lots, same basis lb. .50 - —
Mercuric chloride, NF, cryst., dms., 50-lb. lots or more..lb. 4.98 - —
gran. or powd., dms., 50-lb. lots or more..lb. 4.78 - —
Cyanide, NF VIII, powd., fib. dms. lb. 6.84 - —
Iodide, red, NF, fib. dms.....lb. 7.72 - —
Oxide, red, NF, powd., fib. dms lb. 5.97 - 6.01
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms..... lb. 6.14 - —
Mercurous chloride (see Calomel).
Iodide, yellow, NF.....lb. 7.72 - —
Mercury, ammoniated (see White precipitate USP).
Metal, 76 lbs. per flask, net flask.320.00 -325.00
Mesityl oxide, dms., c.l., dlvd....lb. .1350- —
l.c.l., dlvd. .....lb. .1450- —
tanks, dlvd. .....lb. .1150- —
Meta-aminophenol (see m-Aminophenol).
Metachloroaniline (see m-Choloraniline)
Metanitroaniline (see m-Nitroaniline)
Metanitroparatoluidine (see m-Nitro-p-toluidine).
Metaphenylenediamine (see m-Phenylenediamine)
Metatoluidine (see m-Toluidine)
Metatolylenediamine (see 2,4-tolylenediamine).
Methanol, nat., denaturing grade, tanks, frt. alld..... gal. .70 - —
Prices on natural methanol W of Miss., 3c. higher.
syn., Zone 1, dms., c.l., dlvd., or truckload min., frt. alld. gal. .42 - —
l.c.l., same basis... gal. .48 - —
tankwagon, 2-4,000 gals., dlvd., Metropolitan areas gal. .30 - —
tanks, dlvd., or 4,000 gal. min., frt. alld gal. .27 - —
4,000 gal. min., frt. equald. with Camden, N. J gal. .25½- —
Zone 2, dms., c.l., or truckload min., frt. alld or dvld gal. .47 - —
l.c.l., same basis.....gal. .53 - —
tankwagon, 2-4,000 gals. min. dlvd. Metropolitan areas. gal. .35 - —
tanks, 4,000 gal., min., frt. alld, or dlvd. gal. .32 - —
Synthetic methanol zones are:—Zone 1 is all continental U. S. E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetretramine).
dl-Methionine, fib. dms., frt. alld., 50-lb. or more..lb. 3.50 - —
feed grade, 98% fib. dms. same basis..lb. 2.65 - —
Methoxychlor, 50% wettable powder, dealers, dms. cs., frt. alld lb. .81 - .84
Methyl abietate, non-ret. dms., c.l., dlvd. zone 1..lb. .20½- —
l.c.l., same basis.....lb. .21 - —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1..lb. .21 - —
l.c.l., same basis.....lb. .21½- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss, Ala., Ga., Fla., S. C. and Tenn.
Acetone, nat., dms., l.c.l., E. of Miss., frt. alld. gal. .62½- —
syn., dms., c.l., frt. alld. E. gal. .57 - —
l.c.l., frt. alld. E.....gal. .63 - —
tanks, frt. alld E.....gal. 45 - —
Synthetic methyl acetone E. territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory all states west of those four.
Acrylate, dms., c.l., and truckload, works..lb. .44½- —
less than truckload, works..lb. .45½- —
tanks, works.....lb. .42¾- —
Alcohol (see Methanol).
Amyl acetate, dms., c.l., dlvd. E. lb. .15 - —
l.c.l., dlvd. E.....lb. .16 - —
tanks, dlvd. E.....lb. .13 - —
Ketone, dms., works.....lb. 1.05 - —
Anthranilate, cns. .....lb. 2.50 - 2.65
Benzoate, cns., dms.....lb. .53 - .65
Bromide, jobbers, cyls., various sizes, works lb. .47 - .61
Cellulose, special, vis. (1,500-4,000 cps.) 50-lb. bgs., c.l., works lb. .78 - —
2,000-lb. lots and more, same basis..lb. .65 - —
smaller lots, frt. alld. on 100 lbs..lb. .89 - 1.00
standard vis., (15-400 cps.), 50-lb., c.l., alld..lb. .66 - —
2,000-lb. lots and more, same basis..lb. .72 - —
smaller lots, frt. alld. on 100 lbs..lb. .75 - .85
Chloride, indust., cyls., frt. equald, lb. .21 - —
tanks, multi-unit, same basis, lb. .15 - —
single unit, same basis..lb. .11½- —
refrigerator mfrs., cyls., dlvd..lb. .40 - .42
other consumers or service men, cyls., dlvd lb. .57 - —
Cinnamate, cns. .....lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works. lb. .35½- —
l.c.l., works .....lb. .36 - —
tanks, works .....lb. .34 - —
Ethyl ketone, dms., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .14 - —
tanks, dlvd.....lb. .11 - —
Formate, refd., dms.....lb. .35 - .40
tech., non-ret. dms., any quantity, works lb. .06 - —
tanks, works .....lb. .07 - —
Heptin carbonate, bots.....lb. 33.00 -42.00
p-Hydroxybenzoate, fib. dms....lb. 1.90 - 2.00
Ionone, standard, cns., dms....lb. 3.80 - 4.65
Isobutyl carbinol, dms., c.l., dlvd..lb. .15 - —
l.c.l., dlvd.....lb. .16 - —
tanks, dlvd.....lb. .13 - —
Ketone, dms., c.l., dlvd.....lb. .15 - —
l.c.l., dlvd. .....lb. .16 - —
tanks, dlvd. .....lb. .13 - —
Lactate, dms., l.c.l., works.....lb. .35 - —
Methacrylate, dms., c.l., and truckload, frt. equald., with Belle, W. Va., and Arlington, N. J..lb. .36½- —
smaller lots, same basis..lb. .37 - —
tanks, same basis.....lb. .35 - —
Naphthyl ketone, cryst., cns..lb. 3.60 - 4.30
Parahydroxybenzoate (see Methyl p-Hydroxybenzoate).
Roseaniline chloride, NF, fib. dms. lb. 5.44 - —
Salicylate, USP, cns., 50 lb. lots.lb. .58 - —
dms. .....lb. .53 - —
Testosterone, USP, 100-gram bots. gram. .79 - —

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Low Cost Intermediates

Because of their low cost and low equivalent weight, Rohm & Haas methylamines are ideal sources of basic organic nitrogen. They can be used as intermediates for many products. These include accelerators for vulcanizing rubber, pharmaceuticals such as antihistamines, surfactants, photographic developers, fungicides, and dyestuffs.

All three amines—mono-, di-, and trimethylamine—are shipped in both aqueous and anhydrous form, in drums, cylinders, or tankcars. They are produced in large volume at two separate plants, which guarantees you continuing availability.

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☐ t-Octylamine ☐ Acetone cyanohydrin
☐ Glycolonitrile ☐ Dimethylformamide
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Company.....
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City.....State.....

CHEMICALS FOR INDUSTRY
ROHM & HAAS COMPANY
WASHINGTON SQUARE, PHILADELPHIA 5, PA.
Representatives in principal foreign countries

PRIMENE *is a trade-mark, Reg. U.S. Pat. Off. and in principal foreign countries.*

2-Methyl-5-ethyl pyridine, dms., c.l., works lb. .47½- —
l.c.l., works lb. .48 - —
tanks, works lb. .46 - —
Methylene blue, fib. dms., 100-lb. lots, frt. adjusted lb. 3.25 - 3.60
smaller lots, same basis lb. 3.40 3.60
Chloride, indust., dms., c.l., dlvd. E. lb. .13½- —
Methylionone, A, cns lb. 6.55 - 8.80
D, cns lb. 7.50 - 9.35
prime, cns lb. 4.55 - 6.40
standard, dms., cns lb. 3.80 - 4.65
b-Methylnaphthalene, 32°C. m.p., dms., works lb. .90 - —
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol).
Methylphenylpyrazolone (see 1-Phenl-3-methylpyrazolone-5).
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint plastic, 100 mesh, bgs., c.l., works lb. .04¼- —
roofing, 20 to 80 mesh, works lb. .03 - .04
wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .06¼- —
l.c.l., ex-whse. or frt. alld. E lb. .07 - —
paint, or lacq., bgs., c.l., works, frt. alld lb. .07¾- —
l.c.l., ex-whse. or frt. alld. E lb. .08½- —
rubber, bgs., c.l., works, frt. alld. E lb. .07½- —
l.c.l., ex-whse. or frt. alld. E lb. .08½- —
wallpaper, bgs., c.l., works, frt. allds., E lb. .07¾- —
l.c.l., ex-whse. or frt. allds. E lb. .08¼- —
white, extra, fine bgs., c.l., works, frt. allds. E lb. .07¾- —
l.c.l., ex-whse. or frt. allds. E lb. .08½- —
Mica, wet-grd. W. of Miss R. ½c. higher. W of Rockies, 1c. higher.

Milk powder, non-fat, roller, bgs., c.l. lb. .12 - .1535
spray, bgs., c.l. lb. .14 - .1610
whole, roller, bgs., c.l. lb. No prices.
spray, bgs., c.l. lb. .27 - .31
Sugar (see Lactose).

Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap feed grade, tanks, New Orleans gal. .10¼- .11
New York gal. .12 - —
Molybdenum metal, 98% Mo powd., kgs. lb. 3.00 - 3.25
Trioxide, pure, kgs., works, basis Mo. content lb. 1.35 - —
tech., kgs., works, basis Mo. content lb. 1.14 - —
Monobutylamine, dms., c.l., E. of Rockies lb. .53 - —
l.c.l., same basis lb. .56 - —
tanks, same basis lb. .53 - —
Monochlorobenzene dms., c.l., frt. allds. or dlvd. E lb. .11½- —
l.c.l., same basis lb. .12½- —
tanks, same basis lb. .10 - —
Monochlorobenzene prices in the West, 1¼c higher.
Monoethanolamine, dms., c.l., dlvd. E lb. .26¾- —
l.c.l., same basis lb. .27¾- —
tanks, same basis lb. .25 - —
Monoethylalphanaphthylamine (see N-Ethyl-a-naphthylamine).
Monoethylamine, 70% contained amine, dms., c.l., dlvd E lb. .33 - —
l.c.l., dlvd. E lb. .34 - —
tanks, dlvd. E lb. .31 - —
Monoethylaniline (see N-Ethylaniline).
Monoethylortnotoluidin (see N-Ethyl-o-toluidine).
Monoisopropylamine, dms., c.l., dlvd. lb. .30¼- —
l.c.l., same basis lb. .31¼- —
tanks, same basis lb. .29½- —
Monomethylamine, 30-35% soln., dms., c.l., frt. equald., 100% basis, lb. .40 - —
l.c.l., 100% basis lb. .40½- —
tanks, 100% basis lb. .31 - —
40% soln., dms., c.l., frt. equald. 100% basis lb. .37 - —
l.c.l., frt. equald lb. .37½- —
tanks, 100% basis lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate monobasic).
Phosphate (see Sodium phosphate monobasic).
Mono-tertiary-butylmetacresol (see 6-tert-Butyl-m-cresol).
Morphine, cns oz. 12.60 -12.60
Acetate, anhyd., cns oz. 9.95 -10.00
Hydrobromide, cns oz. 9.90 9.95
Hydrochloride, NF, cns oz. 9.90 9.95
Sulfate, USP, cns oz. 9.90 -10.05
Morpholine dms., c.l., dlvd. E lb. .54¾- —
l.c.l., dlvd. E lb. .55¾- —
tanks, dlvd. E lb. .52¾- —
Musk, nat., Tonquin grains, bots. oz. No stocks.
syn., ambrette, 100-lb. lots, fib. dms. lb. 5.15 - —
25-lb. lots, cns lb. 5.20 - —
5-lb. lots, cns lb. 5.30 - —
ketone, 100-lb. lots, fib. dms. lb. 5.30 - —
25-lb lots, cns lb. 5.35 - —
5-lb. lots, cns lb. 5.45 - —
xylol, 100-lb. lots, fib. dms. lb. 1.40 - —
25-lb. lots, cns lb. 1.45 - —
5-lb. lots, cns lb. 1.50 - —
Mustard seed, Danish, yellow, bgs lb. .12½- —
Dutch, yellow, bgs lb. .12½- —
English, yellow, bgs lb. Nominal
Montana, oriental, bgs lb. .09 - .09½
yellow, bgs. lb. .13 - —
Myrobalans, J-1, assorted, bgs., ex dock ton. 47.00 -48.00
crushed, bgs., ex dock ton. 62.50 - —
ordinary, bgs., ex dock ton. 42.00 - —
extract, Indian, solid, 55% tannin, bgs., exdock, plus duty lb. .07¼ Nom.

N

Naphtha, painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, cruue, dom., 74° tanks, frt. equald lb. .045 - —
78°, dms., c.l., same basis lb. .059 - —
l.c.l., same basis lb. .0615- —
tanks, same basis lb. .05 - —
imp., 78°, large lots lb. .04¾- .05
refd., indust., dom., chipped or crushed, bgs., frt. equald. lb. .10½- —
flake, bgs., same basis lb. .11½- —
tanks, same basis lb. .09¾- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis. lb. .13¾- —
cs., 50 lbs., c.l., same basis lb. .14 - —
1-lb. pkgs. c.l., same basis lb. .16¼- —
a-Naphthol, bbls., frt. allds lb. 1.00 - —
b-Naphthol, resub., dms., works lb. .78½- —
tech., bbls., c.l., works lb. .32½- —
l.c.l., works lb. .34½- —
Benzoate, fib. dms., works lb. 3.00 - —
custom contract, works lb. 1.65 - —
Salicylate, dms lb 5.00 - —
Sulfate, cns lb. 35.00 - —

a-Naphthylamine, bbls., frt. allds lb .50 - —
b-Naphthylamine, tech., bbls., works, lb. 1.05 - 1.10
Neocinchophen, USP, dms., frt. adjusted lb 7.00 8.00
Neomycin, fib. dms., 100-kilo lots, basis, activity gram. .60 - —
1-kilo lots, basis, activity gram. 1.20 - —
Nerolin, cns lb. 2.15 - 2.65
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .75 - .83½
Carbonate, bbls. dlvd lb. .71 - .78
Chloride, bbls. dlvd lb. .37 - .45
Formate, bbls., ton lots, frt allds. lb. .64 - .65
Metal, electro cathodes cs, works, lb. .60 - —
Nitrate, bbls., works lb. .36 - .37
Oxide, black, bbls lb. .69 - —
Sulfate, bgs., c.l., dlvd lb. .29 - —
l.c.l., dlvd lb. .29½- .35
Nicotinamide, USP, dms., frt. adjusted kilo. 12.00 -12.30
Hydrochloride, dms., frt. adjusted, kilo. 11.50 -11.80
Nicotine sulfate, 40%, dealers, 50-lb. dms., frt. allds lb. 1.20 - —
manufacturers, 500-lb. dms., frt. allds lb. 1.03 - —
Niger seed, bgs lb. .12½- .13
Nikethamide, cbys lb. 5.75 - 6.00
m-Nitroaniline, dms., frt. allds lb. 1.05 - —
o-Nitroaniline, flaked, dms lb. .54 - .57
powd., dms lb. .60 - —
p-Nitroaniline, dms., l.c.l., frt. allds. lb. .51½- —
Nitrobenzene, dbl. dist., dms., c.l., frt. allds lb. .12 - —
l.c.l., frt. allds lb. .13 - —
tanks, frt. allds lb. .11 - —

o-Nitrobiphenyl, tech., dms., c.l., works lb. .14¼- —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .34 - —
l.c.l., same basis lb. .35 - .37
18-25 cps., bbls., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - .39
250-400, 600-1,000 secs., bbls., c.l., same basis lb. .39 - —
l.c.l., same basis lb. .40 - .42
spirit-soluble, 30-35 cps., ¼, ½, sec., bbls., c.l., same basis lb. .41 - —
l.c.l., same basis lb. .42 - .44
5-6, 40-60 secs., bbls., c.l., same basis lb. .40 - —
l.c.l., same basis lb. .41 - .43
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.
o-Nitrochlorobenzene, dms lb. .20 - .21
p-Nitrochlorobenzene, dms lb. .26 - .27
2-Nitro-4-chlorophenol, dms lb. .75 - —
Nitroethane, dms., dlvd. E of Rockies lb. .25 - —
Nitrogen solution, tanks, frt. equald, 37-40.8% N, 100% basis ton. 128.00 - —
Nitrogenous process tankage, bulk, works unit-ton. 3.75 Nom.
Sewage sludge, bulk, works unit-ton. 2.95 + .50
Nitromethane, dms., l.c.l., dlvd. E. of Rockies lb. .25 - —
a-Nitronaphthalene, bbls, frt. allds. lb. .41 - —

2-Methyl-5-Ethyl Pyridine—1-Octanol

Nitropropane 1, dms., dlvd. E. of Rockies lb. .23¼- —
2, dms., dlvd. E. of Rockies lb. .25 - —
l.c.l., works lb. .24¾- —
tanks, works lb. .22¾- —
o-Nitrophenol, dms., works, frt. equald lb. .94 - —
p-Nitrophenol, dms., works, frt. equald lb. .50 - —
o-Nitrotoluene, dms., c.l., frt. allds. lb. .10 - —
l.c.l., frt. allds lb. .11 - —
tanks, frt. allds lb. .09 - —
p-Nitrotoluene, dms., works lb. .33 - .38
m-Nitro-p-toluidine, dms lb. 1.59 - —
Nitrous ether, conc., bots 100-lb. lots lb. 1.28 - 1.35
Nonyl phenol, dms., c.l., frt. allds. lb. .26 - .30½
l.c.l., frt. allds lb. .27 - .31¼
tanks, frt. allds lb. .24 - .29
Nutgalls, Aleppo, bgs. lb. .38 - —
Chinese, bgs lb. .45 Nom.
Nutmeg, East Indian, whole, bgs lb. .45 - —
shrivels, bgs. lb. .45 - —
West Indian, bgs lb. .29½- .30
Nux vomica, bls lb .10 - .12
powd., bbls., bxs lb. .15 - .17

O

Octane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .15¾- —
Borger, Tex gal. .15¾- —
1-Octanol, tech., dms., c.l., dlvd. lb. .35 - —
l.c.l., dlvd lb. .37 - —
tanks dlvd lb. .32½- —

RELIABLE SOURCE

From pharmaceuticals to fertilizers and building board to rubber, Magnesia compounds serve industry as fillers, extenders, adsorptive and conditioning agents, and many other uses. Michigan's brine wells are a superlative source of these useful compounds. Michigan Chemical Corporation now in its 20th year producing quality chemicals from these wells, can be depended upon to supply you with your magnesia requirements.

magnesia compounds

TYPICAL ANALYSES OF MICHIGAN MAGNESIA COMPOUNDS

	No. 1 Calcined Magnesite	No. 5 Calcined Magnesite	No. 15 Calcined Magnesite	No. 30C Light Calcined Magnesia	No. 40 Extra Lt. Calcined Magnesia	Basic Magnesium Carbonate	(NF Grade) Magnesium Hydroxide	(Tech. Grade) Magnesium Hydroxide
Bulk density, weight per cubic foot	60 lb.	28 lb.	24 lb.	8½ lb.	5 lb.	5.5 lb.	15 to 25 lb.	app. 20 lb.
Ignition loss:	0.5%	1.5%	2.5%	1.9%	3.0%	56.5%	PASSES N. F. IX SPECIFICATIONS	31.4%
Chloride (as CL):	0.08	0.1	0.2	0.25	0.25	0.2		
Analysis, Ignited basis:						NOT IGNITED		NOT IGNITED
SiO_2	0.3	0.3	0.3	0.3	0.3	0.15		0.20
Fe_2O_3	0.2	0.2	0.2	0.2	0.2	0.08		0.15
Al_2O_3	0.2	0.2	0.2	0.2	0.2	0.08		0.15
CaO	1.0	1.0	1.0	1.0	1.0	0.7		0.7
Mn				0.01	0.01	0.00		
Free Moisture						1.5		2.0
Screen test: Through 200 mesh		95%		99.9%	99.9%	99.99%	99.0%	99.0%
Screen test: Through 325 mesh			99.5%	99.5%	99.5%	99.5%		

We will be glad to provide further information on these Magnesia compounds, or to send you a Michigan Chemical Catalog containing technical data and other information on Michigan Chemical products.

MICHIGAN CHEMICAL CORPORATION Saint Louis, Michigan

EASTERN SALES OFFICE:
230 Park Avenue
New York 17, New York

BASIC MANUFACTURER OF INDUSTRIAL, PHARMACEUTICAL AND AGRICULTURAL CHEMICALS

Octyl Phenol—Oil, Sperm

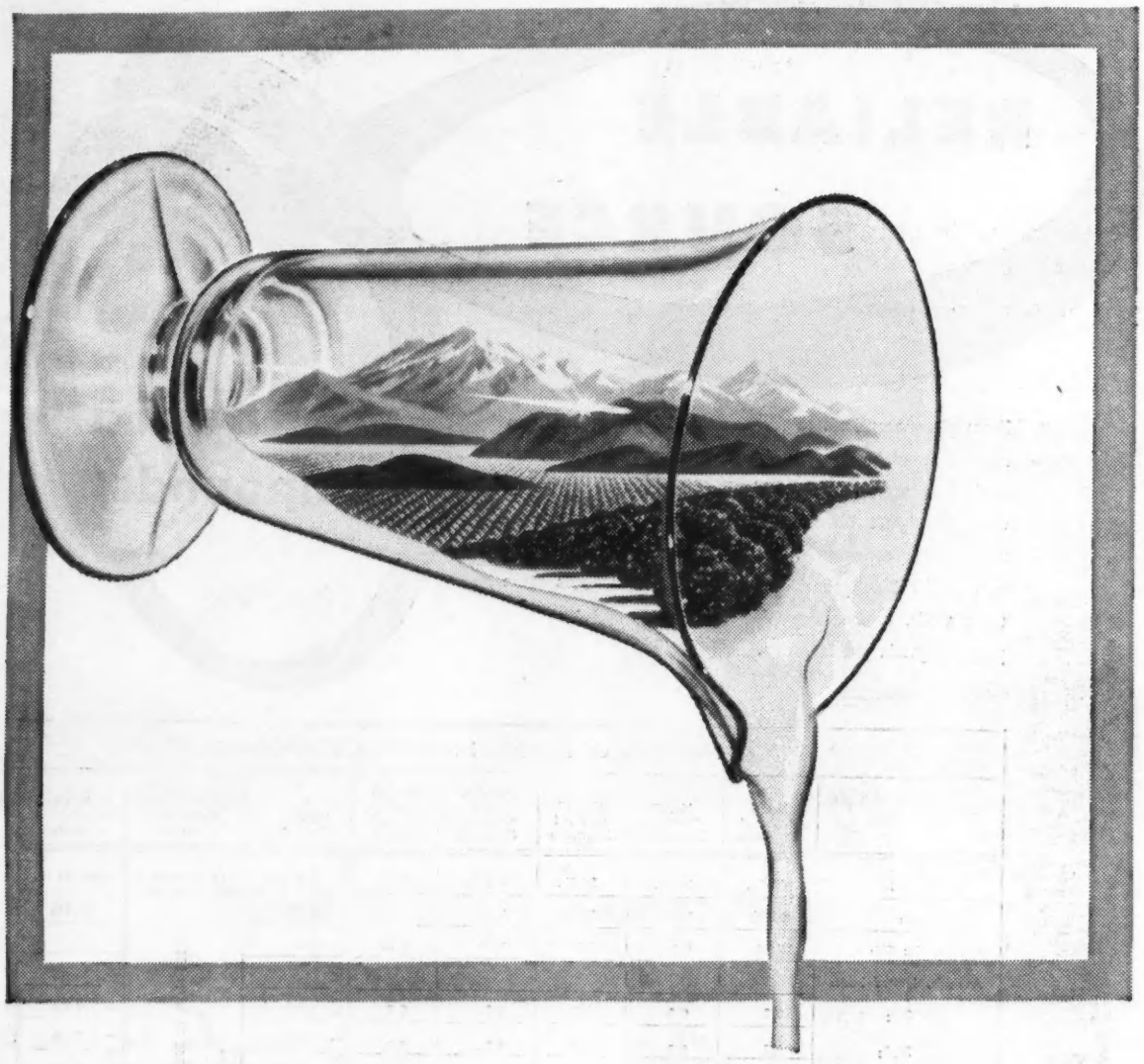
Octyl phenol, bgs., c.l., works lb. .23¼- —
l.c.l., works lb. .23¾- —
tanks, works lb. .22½- —
Drum prices for octyl phenol are 1c. higher.

(Essential oils prices listed below are f.o.b. New York, with differences between high and low quotations due to differences in quantity, quality or in individual suppliers' views.)

Oil, abies, siberica, cns lb. 2.80 - 3.10
Almond, artif., bitter (see Benzaldehyde).
nat., bitter, F.P.A., bots lb. 3.00 - 3.40
NF, bots. lo 3.25 3.75
sweet, USP, dms., cns lb. .55 - .90
Allspice (see Oil, pimento).
Amyris, dms. lb. 1.40 - 1.85
Angelica root, bots lb.66.00 -100.00
seed, bots lb.56.00 -95 00
Aniline (see A).
Anise, USP, dms lb. 3.50 - 5.00
Apricot, kernel, USP, dms lb. .45 - 50
Avocado, cns. lb. No stocks.
Babassu, crude, tanks lb. No stocks
Bay, NF, Puerto Rican, 50-55%, cns lb. 1.55 - 2.00
55-60%, cns lb. 1.65 - 2.10
West Indian, 50-55%, cns., dms. lb. 1.45 - 2.25
Bergamot, nat., NF, Italian, cns. lb.10.90 -13.00
Birchtar, crude, cns lb. 1.50 - 1.90
rectified, NF, cns lb. 2.00 - —
Bois de rose, Brazil, dms lb. 4.50 - 6.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works lb. .65 - .70
Cajeput, native, cns lb. 1.50 - 2.10
redist., USP, cns lb. 2.40 - 2.80
Calamus, bots lb.12.00 -20 00
Camphor, sassafrassy, dms lb. .38 - .55
white, dms. lb. .31 - .45
Oil, cananga, native, cns lb. 7.85 -10.25
rectified, cns. lb.12.50 -14 75
Caraway, NF, cns lb. 3.50 - 5.00
Capsicum (see Capsicum oleoresin).
Cardamom, NF, bots lb.36.00 -50.00
Cassia, USP (see Oil, cinnamon, USP).
Castor, blown, dms., c.l. lb. .20 - —
l.c.l. lb. .2150- —
dehydrated, bodied, dms., c.l. lb. .2260- —
l.c.l. lb. .2310- —
tanks lb. .2160- —
unbodied, dms., c.l. lb. .2110- —
l.c.l. lb. .2160- —
tanks lb. .2010- —
hydrogenated, bgs., l.c.l. lb. .2350- .2450
No. 3, tech., dms., c.l. lb. .1775- —
l.c.l. lb. .1825- —
tanks lb. .1675- —
No. 1, Brazilian, tanks lb. .15 - .15¼
sulfonated, 50%, dms., l.c.l. lb. .13½- .14
75%, dms., l.c.l. lb. .17 - .17½
USP, dms., c.l. lb. .1800- —
l.c.l. lb. .1850- —
tanks lb. .1700- —
refd. and deodorized, dms., c.l. lb. .1950- —
l.c.l. lb. .20 - —
tanks lb. .1850- —
Cedarleaf, cns., dms lb. 2.25 - 3.00
Cedarwood, cns., dms lb. 1.00 - 1.65
Celery seed, bots lb.13.00 -21.00
Chamomile, blue, Hungarian bots. lb.175.00 -280.00
Chinawood (see Oil, tung).
Cinnamon bark, bots lb.28.00 -45.00
leaf, cns. lb. 1.25 - 3.25
USP, cns., dms., (Cassia) lb No stocks.
Citronella, Ceylon, cns., dms lb. 1.25 - 1.75
Java, true, dms lb. 1.35 - 1.75
Java-type, cns lb. 1.35 - 1.75
Clove, buds, USP, cns., dms lb. 3.25 - 4.50
leaf, unrectified, dms lb. 1.70 - 2.20
Oil, coconut, crude, tanks, N. Y. lb. .13¼- —
Pac. Coast lb. .12¼- —
refd., Cochin type, tax incl. rt, dms., l.c.l. lb. .20¾- —
deodorized, tax incl. non-ret. dms., c.l. lb. .22½- —
Cod, Newfoundland, dms lb. .09¼- .09½
Codliver, USP, dms gal. 1.50 - 1.60
Copaiba, cns lb. 1.80 - 2.50
Coriander, USP, bots lb.14.75 -18.00
Corn, crude, tanks, works lb. .13⅝- —
foots (soapstock), acid 95%, tanks, N. Y. lb. .04⅝- —
refd., salad, dms lb. .18⅝- .18⅝
tanks lb. .16⅞- —
Costus, bots. oz. 9.00 - —
Cottonseed, crude, tanks, South-East lb. .12¾- —
Valley lb. .12⅝- .12½
Texas lb. .12⅛- —
foots (soapstock), acid 95%, tanks, N. Y lb. .04¼- —
raw, 50%, tanks, same basis. lb. .02¼- —
refd., salad, dms lb. .17¾- .18
tanks lb. .16¼- —
Creosote (see Creosote, coaltar).
Crude (see Petroleum, crude).
Cubeb, cns lb. 4.50 - 6.00
Cumin, bots., cns lb. 4.15 - 5.75
Cypress, bots. lb. 5.30 - —
Degras (see D).
Dillseed, bots. lb. 2.80 - 4.25
Dillweed, dom., bots., dms lb. 3.75 - 5.30
Dip (see D)
Erigeron, cns. lb. 5.50 - 7.50
Eucalyptus, NF, rectified, 70-80%, dms lb. .67 - 1.00
80-90%, dms. lb. .85 - 1.25
Fennel, sweet, USP, cns lb. 2.30 - 3.25
Fir, Canada, cns lb. 2.35 - 2.80
Fish, refd., alkali, dms lb. .1400- .1450
kettle-bodied, dms lb. .1630- .1680
light-pressed, dms lb. .1250- .1300
tanks lb. .1100- —
Oil, fishliver, crude, for feeds or concentrating, 4,000 to 12,000 A units per gram, dms., 1,000,000 units. .08 - .09
10,000 to 20,000 A units per gram, dms., 1,000,000 units. .09 - .10
25,000 to 35,000 A units per gram, dms., 1,000,000 units. .09 - .10
40,000 to 55,000 A units per gram, dms., 1,000,000 units .10½- .11
100,000 A units per gram, dms 1,000,000 units. .12 - .14
200,000 A units per gram, dms 1,000,000 units. .12 - .14
300,000 A units per gram, dms. 1,000,000 units. .12 - .14¼
400,000 A units per gram, dms., 1,000,000 units . .12 - .14½
500,000 A units per gram, dms 1,000,000 units. .12 - .14½

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

Fusel (see F).
Garlic, pure, bots oz. 6.50 - 9.50
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns lb.10.50 -12.25
Bourbon, cns. lb.11.25 -14.50
Turkish (see Oil palmarosa)
Ginger, dist., bots lb.12.25 -17.50
Grapefruit, dms. lb. 2.50 - 3.25
Grease, No. 1, dms lb. .13 - .13½
extra, winter, strained, dms lb. .16½- .17
prime, burning, dms lb. .17½- .18
Guaiacwood, cns lb. 1.40 - 1.90
Hemlock, cns. lb. 2.70 - 3.80
Juniper berry, NF, VIII, bots lb. 2.75 - 4.00
twice rectified, bots lb. 3.60 - 7.00
Tar, NF (see Juniper tar).
Wood, tech., cns lb. .42 - .65
Lard (see Oil, grease).
Laurel leaf, dms, cns. lb. 9.75 -12.50
Lavandin, dms., cns lb. 2.50 - 4.00
Lavender, flower, USP, French, 30-32% ester, cns lb. 3.55 - 4.60
38-40% ester, cns lb. 9.50 -13.20
40-42% ester, cns lb.10.00 -15.00
Spike, Spanish, cns lb. 1.75 - 2.15
Lemon, USP, Calif., cns., dms lb. 5.25 - 6.50
Messina, cns. lb. 6.05 - 9.00
terpeneless, bots lb.32 00 -85 00
Lemongrass, cns., dms lb. 2.50 - 3.25
Lignaloe wood, Mex., cns lb. 3.70 - 4.50
Lime, dist., Mexican, cns lb. 3.75 - 6.00
West Indian, cs lb. 4.45 - 7.25
expressed, West Indian, cns lb. 7.75 - 8.50
terpeneless, bots lb.29.50 -100 00
Linseed, raw, dms., c.l., N. Y. lb. .1625- —
l.c.l. lb. .1675- .1700
tanks, f.o.b. Minneapolis lb. .1350- —
New York lb. .1475- —
tankwagon, New York lb. .1505- —
Boiled linseed oil, .006c. per lb. higher.
Mace, dist., cons., dms lb. 2.75 - 3.60
Mandarin (see Oil, tangerine).
Menhaden, crude, tanks, works, Atlantic Coast lb. .08¼ Nom.
Gulf ports lb. .08 Nom.
Mineral, white (see Oil, white mineral)
Mirbane (see Nitrobenzene).
Mustard seed, nat., dms. lb. .18 Nom.
synthetic, cans, dms lb. 1.60 - 1.85
Neatsfoot, 15° cold test, dms lb. .33 - .34
20° cold test, dms. lb. .32 - .33
30° cold test, dms. lb .30 .31
Neroli, NF, French, bots lb.85.00 -260.00
Spanish, bots lb.35.00 -85.00
Nutmeg, USP, dist., East Indian, cns., dms lb. 2.75 - 2.95
West Indian, cns., dms lb. 2.60 - 2.85
Ocotea, cymbarum, dms lb. 1.10 - 1.50
Oiticica, liquid, dms lb. .16¾- .17
tanks lb. .15½- .15½
Oleo, extra, dms lb. .19½- .19¾
Olibanum, bots. lb. 5.50 - 7.65
extra fine, bots lb. 8.00 - —
Olive, Spanish, edible, dms., duty paid gal. 2.35 - 2.45
Orange, sweet, dist., cns lb. .40 .80
expressed, USP, Brazilian, cns., dms lb No stocks.
Calif., cns., dms. lb. .60 - 1.25
Florida, cns., dms lb. .45 - 1.25
Messina, cns lb. 3.85 - 5.85
West Indian, cns., dms lb. 2.50 - 3.65
sesquiterpeneless, bots lb.65.00 -120.00
Origanum, Spanish, cns lb. 1.95 - 2.85
Palm, clarif., dms lb. .1240- .1250
kernel, denat., tanks lb. .12⅝- —
Palmarosa, cns. lb. 8.00 - 9.50
Paraffin, pale, 100-110 vis., at 100°F tanks, East Coast refy. gal. .14 - —
Patchouli, dms lb. 8.00 - 9.50
Peach kernel, USP, (see Oil apricot kernel).
Peanut, crude, tanks, f.o.b. mills. lb. .21 - —
refd., dms lb. .26½- .26⅝
tanks lb. .24¾ Nom.
Pennyroyal, USP, imported, cns lb. 1.90 - 2.50
lb. 1.80 - 2.40
Peppermint, nat., dms lb. 7.75 - 8.65
redist., USP, dms lb. 8.10 - 9.25
Persic, USP (see Oil, apricot kernel).
Petitgrain, South American, cns., dms lb. 4.25 - 5.30
Pimento, berry, NF, dms lb. 6.00 - 6.50
leaf, cns. lb. 2.55 - 3.10
Pine, dest-dist., dms., l.c.l., works. lb. .11¼- —
ex-whse. lb. .13¼- —
steam dist., dms., ex whse., N.Y.C. lb. .151 - —
Pineneedle, Siberian (See Oil, abies siberica).
Rapeseed, tankcars lb. .17½ Nom.
Red (see Acid oleic)
Rice bran, clarif., dms., l.c.l. lb. .17 Nom.
tanks, dlvd. E lb. .15½ Nom.
Rose, nat., Bulgarian, bots oz.43.50 -62.25
Rosemary, Spanish, USP, cns., dms lb. .65 - 1.00
tech., cns., dms lb. .50 - .70
Rue, bots lb. 1.65 - 2.30
Safflower, dms., c.l., Atl. coast. lb. .1910- —
tanks, same basis lb. .1760- —
Sage, clary bots lb 20.00 -25.00
Dalmatian, cns. lb. 4.75 - 7.25
Spanish, cns. lb. .90 - 1.25
Sandalwood, NF, cns lb.11.50 -13.00
Sardine, crude, tanks, Pac. coast. lb. No stocks.
Sassafras, artif., dms lb. .90 - 1.10
nat., Brazilian (see Oil ocotea cymbarum), dom., USP, cns., dms lb. 1.75 - 2.20
Savin, cns. lb. 2.75 - —
Savory, cns lb. 4.25 - —
Sesame, refd., dms lb. .36 - .37
Shingle stain, tar distillate, dms., c.l., works lb. .33 - —
l.c.l., works lb. .35 - —
tanks, works lb. .23 - —
Snakeroot, Canada, cns lb.28.50 -31.00
Soybean, crude, tanks, Decatur lb. .11¾- —
foots (soapstock), acid, 95%, tanks, N. Y. lb. .05⅝- —
raw, 50%, tanks, N. Y. lb. .02⅝- —
refd., alkali, dms lb. .15¾- .16
tanks lb. .14¼- —
clarified, dms. lb. .15¼- .15¼
tanks lb. .13¾- —
salad, dms. lb. .16 - .16¼
tanks lb. .14½- —
Spearmint, USP, dms lb. 4.00 - 5.50
Sperm, bleached winter, 45°, dms. lb. .1625- .1650
tankcars lb. .1450- —
nat., winter, 45°, dms lb. .1525- .1550
tankcars lb. .1350- —



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Exchange
OIL OF ORANGE U. S. P.

Oil, spruce, cns., dms. lb. 2.10 - 2.75
Sweet birch, USP, Northern, cns. lb. 4.25 - 9.50
Southern, cns lb. 2.50 - 3.00
Tall, crude, dms., c.l., works lb. .03 - —
tanks, works lb. .02 - —
dist., dms., c.l., works lb. .07¼ - .07½
tanks, works lb. .06 - —
refd., dms., c.l., works lb. .06¼ - —
l.c.l., works lb. .06½ - —
tanks, works lb. .05 - .05¼
Tallow, acidless, dms lb. 10¾ - 10½
Tangerine, Floridian, dms lb. 2.75 - 5.35
Tansy, cns. lb 7.75 - 9.00
Tar, pine, coml., dms., c.l., works, gal. .42½ - —
l.c.l., works gal. .50½ - —
whse lb. .0375 - —
tanks, works gal. .33½ - —
rectified, NF, dms., incl., l.c.l., works, South gal. .90 - —
whse Va gal 1.00 - —
Tar acid (see
Theobroma (see Cocoa butter).
Thyme, NF, red, cns., dms lb. 1.70 - 3.75
white cns lb 1.95 - 4.00
oil, white cns lb .40 - 1.85
Tung, dms., c.l., N. Y. lb. .24 - —
l.c.l., same basis lb. .24½ - .24¾
tanks, N. Y lb. .22½ - —
domestic mills lb - .2 Nom.
Turkey red (see Oil, castor, sulfonated).
Turpentine, NF cns. dms tc 45 - 45
Vetiver, Bourbon, cns lb.14.00 - 17.50
Haitian, cns lb.11.20 - 21.00
Java, cns. lb.22.50 - 40.00
Wheat germ 5-gal dms gal 10.00 - 13.00
White mineral, tech., 50-65 vis., non-ref. dms. c.l., f.o.b. N. Y. gal. .51½ - .54¼
65-75 vis., non-ref., dms., c.l., same basis gal. 52½ - .55
l.c.l., same basis gal. .57½ - .58½
80-90 v.s., non-ref., dms., c.l., same basis gal. .53½ - .56½
l.c.l., same basis gal. .58½ - .59½
125-135 vis., non-ref., dms., c.l., same basis gal. .59½ - .62½
l.c.l., same basis gal. .64½ - .65½
145-155 v.s., non-ref., dms., c.l., same basis gal. .66 - .68½
l.c.l., same basis gal. 71 - .71½
175-185 vis., non-ref., dms., c.l., same basis gal. .69½ - 73
l.c.l., same basis gal. .74½ - 75
USP, 200-210 vis., non-ref., dms., c.l., same basis gal. .73½ - .75
l.c.l., same basis gal. .77½ - 78
345-355 vis., non-ref., dms., c.l., same basis gal. .77 - .80
l.c.l., same basis gal. .83 - 85
Wintergreen, USP, nat., Northern, cns lb. 6.35 - 10.30
Southern cns lb 3.20 - 19.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns. lb. 6.60 - 8.00
Wormwood, cns. lb. 5.00 - 6.85
Ylang-ylang, Bourbon, bots lb.17.00 - 30.00
extra, bots lb.28.00 - 40.00
Madagascar, bots lb. No stocks
Oleostearine, bbls. lb. .14 - .14½
Opium, USP, cns lb.19.20 - 19.45
cap. USP cns lb 21.65 - 21.90
powd. USP cns lb 21.65 - 21.90
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.56 - —
Chrome, Cr., bbls., dlvd. N of Tenn. and N. C., E. of Miss. R., include Davenport, Tenn., and E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .31 - —
Chrome orange prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport), 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex., 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Dinitroaniline toner lb. 1.30 - —
Mineral, American, bbls. t.c.l., works lb. .2035- .2060
Molybdated, bbls. lb. .44 - —
o-Nitroaniline toner, kgs lb. 1.15 - —
Orange peel, bitter, Haitian, bbls lb. .14 - .18
sweet, bbls lb. .16 - .18
Orris root, Florentine, bbls lb. .45 - .50
powd., bbls., bxs lb. .50 - .53
Verona, bbls lb. .35 - .40
powd., bbls., bxs lb. .40 - .45
Orthoaminobiphenyl (see o-Aminobiphenyl).
Orthoanisidin (see o-Anisidine).
Orthochloroanilin (see o-Chloroaniline).
Orthochlorobenzaldehyde (see o-Chlorobenzaldehyde).
Orthochloroparanitroanilin (see 2-Chloro-4-nitroaniline).
Orthochlorophenol (see o-Chlorophenol).
Orthocresol (see o-Cresol).
Orthodichlorobenzene (see o-Dichlorobenzene).
Orthonitroanilin (see o-Nitroaniline).
Orthonitrochlorobenzene (see 2-Nitro-4-chlorobenzene).
Orthonitrobiphenyl (see o-Nitrobiphenyl).
Orthonitroparachlorophenol (see 2-Nitro-4-chlorophenol).
Orthonitrophenol (see o-Nitrophenol).
Orthonitrotoluene (see o-Nitrotoluene).
Orthophenetidin (see o-Phenetidine).
Orthophenetidin (see o-Phenetidine).
Ortho-tertiary-amylphenol (see o-tert-Amylphenol).
Orthotolidin (see o-Tolidine base).
Orthotoluidin (see o-Toluidine).
Osage orange, cryst., No. 1, bbls., l.c.l lb. .40 - —
extract, liq., No. 1, bbls., l.c.l lb. .19 - —
Ouabain, USP, bots gram. 3.00 - 4.00
Oxyquinolin sulfate, cns., 100-lb. lots, works lb. 4.75 - 5.00
smaller lots, works lb. 4.92 5.17

P

Pancreas substance, assay 1:75 bots., 5-lb. lots or more lb. 4.00 - —
Pancreatin, USP, bots lb. 1.90 - 2.10
Papain, USP, African, bots lb. 4.00 - 4.50
Ceylon lb. 3.00 - 3.50
Papaverine, nat. or syn. hydrochloride, USP, cns., 25 oz. to 100 oz. lots oz. 5.00 - —
smaller lots oz 5.05 5.20
Sulfate, cns. oz. 7.10 - 7.35
Paprika, Roumanian, bgs lb. .31 - .33
Spanish, bgs. lb. .37 - .39
Yugoslavian, bgs. lb. .28 - —
Para-anisidin (see p-Anisidine).
Para-acetylaminobenzaldehyde thiosemicarbazone (see p-Acetylaminobenzaldehyde thiosemicarbazone).
Para-aminophenol (see p-Aminophenol).
Parachloroanilin (see p-Chloroaniline).
Parachlorobenzaldehyde (see p-Chlorobenzaldehyde).
Parachloro-orthonitroanilin (see 4-Chloro-2-nitroaniline).
Parachlorophenol (see p-Chlorophenol).
Paracresol (see p-Cresol).
Paradibromobenzene (see p-Dibromobenzene).
Paradichlorobenzene (see p-Dichlorobenzene).

Paraffin, crude scale, white, 121°-123°F, ASTM, solid, c.l., ref'y lb. .0710- —
fully refd., 122°-124°F, ASTM, slabs loose, c.l., ref'y lb. .0845- —
125°-127°F, ASTM, slabs loose, c.l., ref'y lb. .0845- —
130°-132°F., ASTM, slabs loose, c.l., ref'y lb. .0855- —
132°-134°, ASTM, slabs, loose, c.l., ref'y lb. .0855- —
135°-137°F., ASTM, slabs loose, c.l., ref'y lb. .0855- —
Prices for paraffin in bags and cns., c.l. 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs., 3.7c. per lb. higher
AMP temperatures are an arbitrary 3° F. higher than ASTM.

Paraformaldehyde, 91% flakes, bgs., c.l., frt. alld lb. .10¾ - —
l.c.l., frt. alld lb. .12¼ - —
powd., bgs., c.l., frt. alld lb. .15½ - —
l.c.l., frt. alld lb. .17 - —
USP X, fib. dms., c.l lb. .183 - —
10,000-lb. lots lb. .193 - —
1,000-lb. lots lb. .193 - —
smaller lots lb .208 - —
Paraldehyde, tech., 98% 55-gal. dms., c.l. works lb. .13½ - —
l.c.l., works lb. .14½ - —
tanks, works lb. .11½ - —
Paranitroanilin (see p-Nitroaniline).
Paranitrochlorobenzene (see 4-Nitro-2-chlorobenzene).
Paranitrophenol (see p-Nitrophenol).
Paranitrotoluene (see p-Nitrotoluene).
Paraphenetidin (see p-Phenetidine).
Paraphenylenediamine (see p-Phenylenediamine).
Paraphenylphenol (see p-Phenylphenol).
Para-tertiary-arylphenol (see p-tert-Amylphenol).
Para-tertiary butylphenol (see p-tert-Butylphenol).

Parathion, spray powder, 15% dealers, dms., works lb. .48 - .49
tech., dms., works lb 1.62 - 1.64
Paratoluenesulphonamide (see p-Toluenesulfonamide).
Paratoluidine (see p-Toluidine).
Paris green, dealer, distributor, dms., c.l., works, frt alld, on 96 lbs or over lb. .36 .40
l.c.l., same basis lb .37 .53
Passion flower herb, bls lb .20 - .21
Peanut meal, 45%, old process, bgs., mills ton.78.00 Nom.
Pectin, citrous, NF, powd bbls lb 2.05 2.08
tech, powd bbls lb 1.80 —
imported, Danish, ex whse lb. 1.28 - —
Penicillin, crystalline, potassium, sterile, bulk, 1,000,000 units. .07½ - .08
Procaine, bulk, 1,000,000 units. .07½ - .08
Sodium, sterile, bulk, 1,000,000 units. .07½ - .08
Pentachlorophenol, dms., c.l., works, frt equald b 21 —
l.c.l., same basis lb. .24 - .29
truckload, 20,000 lbs. min. same basis lb. .21¼ - —
Pentaerythritol, tech., bgs., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
Di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, Tex. refy gal. .14¼ - —
Pepper, black, Malabar, spot, bgs lb. .55 - —
red, Gondar, spot, bgs lb. .23 - .26
Japanese, hontaka, bgs lb. .35 - —
birdseyes, bgs., new crop lb. .60 - —
Mombasa, bgs., ship't lb. Nominal.
Nigerian, bgs lb. Nominal.
Turkish, bgs lb. .22 - .22½
white, bgs. lb. .66 - —

Peppermint leaves, USP, dom., bls., dms lb. .70 - .73
imp., bls lb. 1.25 - —
Pepsin, NF, 1:3,000 bulk lb. 3.45 - 3.50
Perchloroethylene, dms., c.l., or truckloads, dlvd. E dm.85.00 - —
dlvd. W dm.88.50 - —
l.c.l., dlvd. E dm.95.00 - —
dlvd., W dm.98.50 - —
tanks, dlvd. E lb. .10¾ - —
dlvd. W lb. .11¼ - —
Peru balsam, dms lb. 1.30 - 1.70
Petrolatum, amber, dms., c.l., refy. lb. .05 - .05¾
l.c.l., dlvd lb. .06¾ - .07
tanks, refy lb. .03¼ - .04⅛
cream, dms., c.l., refy lb. .06⅛ - .07⅛
l.c.l. dlvd lb. .08½ - .08¾
tanks, refy lb. .04⅜ - .05⅛
extra, amber, dms., c.l., refy lb. .05¼ - .05⅞
l.c.l., dlvd lb. .07 - .07¾
tanks, refy lb. .03½ - .04¼
USP, white, lily, dms., c.l., refy. lb. .06¾ - .07⅛
l.c.l. dlvd lb. .08¼ - .08⅝
tanks refy lb. .04⅞ - .05⅛
snow, dms., c.l., refy lb. .07⅛ - .07¾
l.c.l., dlvd lb. .09⅛ - .09⅝
tanks, refy lb. .05⅜ - .05⅞
soft, dms., c.l., refy lb. .06¾ - .07¾
l.c.l., dlvd lb. .08½ - .08¾
tanks, refy lb. .05 - .05⅝
yellow, soft, dms., c.l., refy. lb. .05¼ - .05¾
l.c.l. dlvd lb. .06⅞ - .07⅛
tanks refy lb. .03½ - .05⅞
Petroleum, lacquer diluent, 150°-240°F., b.r., tanks, West Coast, ex tax, Los Angeles. gal. .169 - .204
East coast, N. J., N. Y gal. .19 —
Group 3, benzol-type gal. .14125- .14625
toluol-type gal. .13125- .13375

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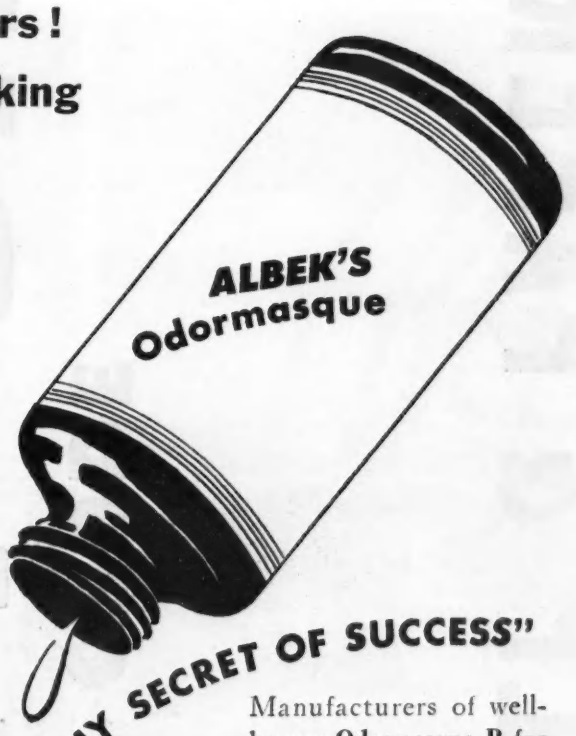

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Petroleum, mineral spirits, reg., tanks, California, ex tax, San Francisco gal. .164 - —
East coast, N. J., N. Y. gal. .17 - —
Group 3 gal. .11875- —
tankwagon, Boston gal. .19 - —
Buffalo gal. .195 - —
Chicago gal. .279 - —
Cleveland gal. .22 - —
Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
Pittsburgh gal. .18 - —
Providence gal. .195 - —
specially refd., tanks, ref'y, Watson, Calif. gal. .245 - —
Borger, Tex gal. .24 - —
Houston, Tex gal. .24 - —
Wood River, Ill gal. .2625- —
dlvd. N. J gal. .32 - —
dlvd. N. Y. gal. .33½- —
tankwagon, N. J., dlvd gal. .36 - —
N. Y., dlvd gal. .37 - —

Naphtha, cleaners, tanks, East Coast, N. J., and N. Y. gal. .17 - —
Group 3 gal. .12875- —
tankwagon, Newark gal. .16 - —
New York gal. .18 - —
Philadelphia gal. .165 - —

High solvency (see Petroleum sovlent, partial aromatic).

V.M.&P., 225°-300°F., b.r., tanks, West Coast, Los Angeles. gal. .169 - —
Portland, Ore. gal. .175 - —
San Francisco gal. .174 - —
Seattle, Wash. gal. .175 - —
East Coast, N. J., N.Y. gal. .18 - —
Group 3 gal. .12875- —
tankwagon, Boston gal. .205 - —
Chicago gal. .289 - —
Cleveland gal. .23 - —
Newark gal. .195 - —
New York gal. .195 - —
Philadelphia gal. .20 - —
Pittsburgh gal. .19 - —

Solvent, partial aromatic, tanks, East Coast, N. J., N. Y., 205°-284° F., b.r., 38° 43°C. m.a.p. gal. .24 - .26
19°-30°C. m.a.p. gal. .19 - .30
272°-387°, b.r., 31°C. m.a.p., gal. .29 - —
27°-29°C. m.a.p. gal. .29 - .31
19°C., m.a.p. gal. .32 - —
310°-392°F. b.r., 30°-38°C. m.a.p. gal. .27 - .30
17°-19°C., m.a.p. gal. .35 - .38
350°-425° F., b.r., 32°-35° C., m.a.p. gal. .30 - .30½
25°C., m.a.p. gal. .39 - —
18°-21°C., m.a.p. gal. .35 - .42½

Rubber, tanks, Cal., ex tax, San Francisco gal. .173 - —
East Coast, N. J., N. Y., gal. .18 - —
Group 3 gal. .12875- —

Stoddard, tanks, East Coast, N. J., N. Y gal. .17 - —
Group 3 gal. .12375- —
Pennsylvania, western gal. .15 - —
tankwagon, Boston gal. .19 - —
Chicago gal. .289 - —
Cleveland gal. .22 - —
Los Angeles, ex tax gal. .194 - —
Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
Pittsburgh gal. .18 - —

Sulfonate, oil soluble, 60-62% sulfonic content, non-ret. dms., c.l., works lb. .16 - .18¼
l.c.l., works lb. .17 - .18½
tanks, works lb. .14 - .16½
50-53% sulfonic content, non-ret. dms., c.l., works lb. .15½- —
l.c.l., works lb. .16½- —
tanks, works lb. .12½- —

o-Phenetidine, dms., works lb. 1.00 - —
p-Phenetidine, dms., works lb. 1.00 - —
Phenobarbital, USP, dms., 100-lb. lots lb. 4.00 - —
Phenobarbital-sodium, USP, dms., 100-lb. lots lb. 4.00 - —
Phenol, 90-92% (cresol 8-10%), non-ret. dms. c.l. frt. alld. E. of Rockies lb. .15¾- —
l.c.l., same basis lb. .16½- —
tanks, same basis lb. .14 - —
82-84% (cresol 16-18%), non-ret. drums, c.l., same basis lb. .15¼- —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13½- —
39° or above, tar distilled, non-ret. dms., c.l., same basis lb. .17¼- .17¾
l.c.l., same basis lb. .18 - .18½
tanks, same basis lb. .15½- —
USP, syn., dms., c.l., frt. alld. lb. .17¾- —
l.c.l., same basis lb. .18½- —
tanks, same oasis lb. .16 - —
Phenolphthalein, USP, or yellow, bbls., dms., 2,000-lb. lots. lb. 1.10 - —
smaller lots lb. 1.12 - 1.17
Phenothiazine, NF, fib. dms., c.l., frt. adjusted lb. .53 - —
over 2,100 lbs., same basis lb. .55 - —
less than 2,100 lbs., same basis. lb. .57 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol.)
Phenylacetaldehyde, soln., 50%, bots lb. 2.40 - 2.70
100%, bots lb. 4.00 - 4.65
Phenylacetamide, 125-lb. dms., works lb. 1.10 - —
smaller dms., works lb. 1.15 - 1.10
dl-Phenylalanine, dms., works lb. 27.00 -37.50
1-Phenyl-3-carbethoxy pyrazolone-5, 250-lb. fib. dms., dlvd. E. lb. 3.60 - —
smaller dms., dlvd. E lb. 4.00 - —
Phenyldiethanolamine, dms., c.l., dlvd E. lb. .40 - —
t.c.l., dlvd. E lb. .41 - —
m-Phenylenediamine, dms., frt. alld. lb. .90 - —
p-Phenylenediamine, redist., dms., works lb. 2.00 - —
tech., refd., dms., same basis lb. 1.10 - 1.35
Phenylethanolamine, d m s., c.l., works lb. .69¼- —
t.c.l., same basis lb. .70 - —
Phenylethyl acetate, bots lb. 1.35 - 1.95
b-Phenylethylamine, dms., works, 1,000-lb. lots lb. 1.10 - —
smaller lots, works lb. 1.15 - 1.40
Phenylethylphenyl acetate, bots lb. 3.93 - 4.40
Phenylhydrazine base, CP, bots lb. 3.00 - 3.07
Hydrochloride, coml., kgs., works. lb. 1.75 - —
purif., bots., works lb. 5.17 - —
1-Phenyl-3-methyl pyrazolone-5, 250-lb. lots, dlvd. E. lb. 1.70 - —
smaller lots, dlvd lb. 2.00 - —
o-Phenylphenol, dms., l.c.l., works lb. .42 - .44
p-Phenylphenol, bgs., c.l., works lb. .35 - —
l.c.l., works lb. .39½- —
Phloroglucinol, coml., fib. dms., works, lb. 6.40 - —
C.P., bots., fib. dms., works lb. 17.00 -17.25
tech., lib dms., works lb. 10.45 - —

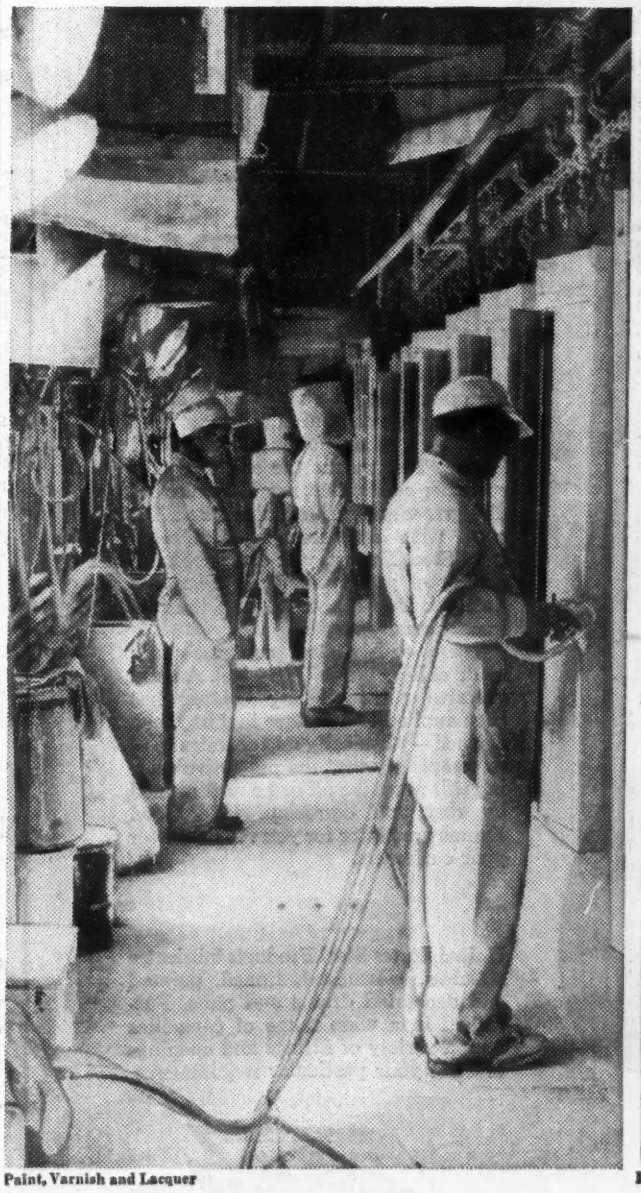
Phosphate, defluorinated (see under D).
Rock, Curacao, Atlantic ports, New Orleans ton. 43.00 - —
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 68-66%, b.p.l., bulk, c.l., mines long-ton. 4.69 - —
70-68%, b.p.l., c.l., same basis long-ton. 5.09 - —
72-70%, b.p.l., c.l., same basis long-ton. 5.74 - —
75-74% b.p.l., c.l., same basis long-ton. 6.74 - —
78-76%, b.p.l., c.l., same basis, long ton. 7.74 - —

The above prices are based on fuel oil at $2.15 per bbl. and labor at $1.28, recent 3c. labor advance currently absorbed.

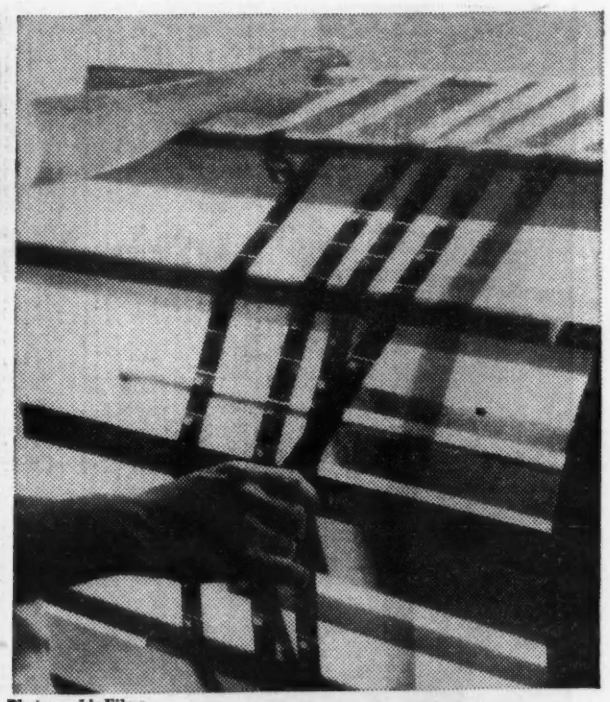
Phosphorus amorph., red, cs. lb. .46 - .47
dms lb 44 45
yellow, cns., works lb. .48 - .59
dms., c.l., works lb. .40 - —
t.c.l., works lb. .43 - —
Oxychloride, dms., c.l., works lb. .14 - —
t.c.l., dms., works lb. .17 - —
tanks, works lb. .12½- —
Pentasulfide, sond, dms., c.l., works lb. .11½- —
t.c.l., dms., works lb. .13 - .13½
Pentoxide, dms., c.l., works lb. .13½- —
t.c.l., works lb. .16½- —
Sesquisulfide, tins, cs., works lb. .29 - —
export, dms. lb. .31 - .36
Trichloride, dms., c.l., works lb. .14 - —
t.c.l. works lb. .17 - —
tankcars, works lb. .12½- —
Phthalic anhydride, ogs, c.l., works, frt. equald lb. .20 - —
t.c.l., same basis lb. .21 - —
tanks, same basis lb. .19¼- —
Phthalimide, 97%-98%, dms., works, frt. alld lb. .65 - .70

a-Picoline, ret., dms., c.l., works, frt. equald lb. .43½- —
t.c.l., works, frt. equald lb. .44 - —
b,g-Picoline, 5°, dms., c.l., works. lb. .32½- —
t.c.l., works lb. .33 - —
g-Picoline, 98%, dms., c.l., works. lb. 2.65 - —
Pilocarpine hydrochloride, NF, bots oz 5.25 —
Nitrate, USP, bots., vials oz. 4.80 - 4.90
Pimento, Jamaican, bgs lb. .88 - .90
Mexican, bgs. lb. .80 - —
Pink root, bls. lb. 3.00 - 3.25
d-Piperazine hexahydrate, French Codex, bots kilo. 8.00 - 8.50
Piperidine 98% dms. frt. equald. lb. 2.90 - 3.00
Piperonyl butoxide, dms., dlvd. E. lb 4.50 - 5.30
Cyclonene, dms., dlvd. E lb 4.20 - 4.50
Pitch, coaltar, 140°-150°F, m.p. bulk, tanks, works ton. 35.50 - —
Cottonseed, raw, dms., works lb. .02¼- .03
Linseed dms lb. .06 Nom.
Marine, dms. lb. .04¼- .05
Petroleum (see Asphalt, petroleum)
Soybean dms. works lb .05 Nom
Tall, dms., works lb. .03¾- 04⅛
Plaster of Paris (see Gypsum).
Platinum metal, works oz. 82.00 -84.00
Pleurisy root, bls lb 45 - .50
Podophyllum resin, NF, dms lb 5.75 - —
Poke root, bls lb. .19 - .22
Polymyxin, bulk, dms., bots., 50 billion units or more. 1,000,000 units. .52 - —
25-50 billion units 1,000,000 units. .54 - —
1-25 billion units 1,000,000 units. .56 - —

Polyoxyethylene sorbitan monostearate, dms., 20,000-lb. lots, works lb. .41 - —
10,000-20,000-lb. lots, works. lb. .43 - —
smaller lots, works lb. .46 - .48
tristearate, dms., 20,000-lb. lots, works lb. .41 - —
10,000-20,000 lb. lots, works. lb. .43 - —
smaller lots, works lb. .46 - .48
Poppy seed, Argentine, bgs lb. .30 - .31
Dutch, bgs. lb. .33 - —
Polish, bgs. lb. .32 - —
Turkish, bgs. lb. .30 - .31
Potash, caustic, reg., flake, 88-92%, dms., c.l., works 100 lbs. 9.15 -
t.c.l. works 100 lbs 40 20 —
liq., 45% basis, dms., c.l., works 100 lbs 4.25 - —
t.c.l., same basis 100 lbs 5.05 - —
tanks, same basis 100 lbs 3.70 - —
solid, 88-92%, dms., c.l., works 100 lbs. 8.70 - —
t.c.l., works 100 lbs 9.75 - —
Potassium acetate, NF, dms lb. .31 - .36
Bicarbonate USP gran dms lb .22 —
powd dms lb .24 —
Bichromate, bgs., c.l., works lb. .15 —
t.c.l., works lb. .15½- —
Potassium bichromate in dms. ½c. higher.
Bitartrate, NF, dom., gran or powd., bbls., 5,000 lbs. 1 shipt lb. .33½- —
dms., c.l lb. .33 - —
smaller lots lb. .34 - .37
imp., kgs lb. .25¾- .26
Bromate, bbls., 1,000 lbs. or more. lb. .50 - .52
25-200-lb. lots lb 55 57



Paint, Varnish and Lacquer



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Isopropyl Ether
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PETROHOL 95
PETROHOL 99
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Secondary Butyl Acetate
Isopropyl Acetate
Acetone
Methyl Ethyl Ketone
Ethyl Ether
Isopropyl Ether
Dicyclopentadiene
Naphthenic Acids
Iso-Octyl Alcohol
Decyl Alcohol
Denatured Ethyl Alcohol

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Potassium Carbonate—Red, Cadmium, CP

Potassium carbonate, tech., calcined, bbls., c.l., works 100 lbs. 9.00 - —
Bromide USP gran. bbls. kgs. lb. .34 - —
t.c.l., same basis 100 lbs. 10.05 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs. 7.60 - —
t.c.l., works 100 lbs. 8.65 - —
USP gran., bbls., dms lb. .16½- .18
powd., bbls., dms lb. .21 - .23
Chlorate, cryst., dms., c.l., works, lb. .10¼- —
t.c.l., works lb. .11½- .12
powd., dms., c.l., works lb. .10¾- —
t.c.l. works lb. .12 - 12½
export, dms., New York lb. .12¾- .13½
NF gran. dms lb. .33 .33
Chloride, USP, cryst., dms. lb. .21 - .23
gran. dms lb. 15 .17
powd. dms lb. .24 - .26
Chromate, tech., bgs lb. .50 - .50½
Citrate, USP gran., dms. lb. .41 - —
powd., dms. lb. .40½- .41½
Cyanide, dms., 500-lb. lots or more, works lb. .55 - —
smaller lots works lb. 57 - —
Dichromate (see Potassium bichromate).
Ferricyanide, kgs lb. .60 - .63
Ferrocyanide, dms., ton lots lb. .22½- —
smaller lots lb. .23 - —
kgs. lb. .28 - —
Fluoborate, fib. dms., c.l., works lb. .30 - —
t.c.l., works lb. .31 - —
Fluoride, dms., works lb. .37 - .38
Gluconate dms lb. .75 .79
Glycerophosphate, 75% solution, cbys lb. 2.15 - 2.25
Guaiacolsulfonate, NF, dms lb. 2.10 - 2.30

Potassium hydroxide, tech. (see Potash caustic).
USP, pellets 100-lb. dms. 1 to 100-dm. lots lb. .28½- .33
Hypophosphite, NF, fib. dms., ton lots or less lb. 1.00 - 1.03
Iodide, dms. lb. 1.90 - 1.95
Manure salt 22% K_2O, bulk, mines unit-ton. .19 - —
Metabisulfite, gran., dms lb. .20 - .21
powd. dms lb. .25 —
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M. unit-ton. .39½- .40½
50-51% K_2O paper bgs. carls bad, N. M. ton. 24.50 - —
Nitrate, cryst., bbls., 10,000-ton lots 100 lbs. 14.40 - —
smaller lots 100 lbs. 14.65 -14.90
gran., bbls., 20-ton lots. 100 lbs. 9.75 - —
smaller lots 100 lbs. 11.10 -11.50
powd., bbls., 20-ton lots. 100 lbs. 10.75 - —
smaller lots 100 lbs. 12.00 -12.50
NF, gran., dms lb. .09¾- .11¾
Potassium nitrate in bags, 50c. per 100 lbs. less in kegs, $1 more.
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
Pentaborate, gran., bgs., c.l., works ton. 189.00 - —
dms., ton lots, ex whse. ton. 293.50 - —
smaller lots, ex whse. ton. 29800 - —
Powdered Potassium pentaborate $10.25 per ton higher
Perchlorate, dms., c.l., works lb. .15 - —
t.c.l., works lb. .16½- —
Permanganate, tech., dms., works lb. .22½- .23½
USP dms., works lb. .24¾- .30¼

Potassium persulfate, dms., 5-ton lots, works lb. .18 - —
1-ton lots, works lb. .20 - —
Phosphate, tetrabasic, bbls., works lb. .16½- .18½
Prussiate, red (see Potassium Ferricyanide).
yellow (see Potassium Ferrocyanide).
Silicate, glass, bgs., c.l., works 100 lbs. 17.00 - —
t.c.l. 100 lbs. 17 80 - —
soln., clarif., 29° Be, 1:2.5, dms., c.l., works 100 lbs. 5.80 - —
t.c.l., 5 dms., or more, works 100 lbs. 6.55 - —
tanks, works 100 lbs. 5.45 - —
tech., 29° Be, 1:2.5, dms., c.l., works 100 lbs. 5.35 - —
t.c.l., 5 dms. or more, works 100 lbs. 6.50 - —
tanks, works 100 lbs. 5.00 - —
40.5° Be., 1:2.0, dms., c.l., works 100 lbs. 6.45 - —
t.c.l., 5 dms. or more, works 100 lbs. 7.20 - 7.60
tanks, works 100 lbs. 6.10 - —
Silicofluoride, bbls., works lb. .09 - .10
Stannate, dms., frt. alld. E lb. .666 - .732
Sulfate, agricultural, 49-51% K_2O, bulk, works ton. 35.00 - —
NF VII cryst. dms lb .31 .33
gran. dms. lb. .18½- —
powder dms. lb. .36½- .17
Sulfocyanide, NF, cryst. (see Potassium thiocyanate).
Thiocyanate, NF, cryst., dms. lb. .84 - .94
tech., works lb. .77 - .79
Titanate, ctrs., c.l., works lb. .14 - —
5-ton lots, works lb. .14½- —
1-ton lot or less, works lb. .14¾- —
Potassium-magnesium sulfate, bulk, works basis 40% K_2SO_4, 18% MgO ton. 15.05 - —

Potassium-sodium tartrate, NF, gran., powd., dms., c.l. lb. .35 - —
5,000-lb. lots lb. .35½- —
smaller lots lb. .36 - .41
Potassium-titanium fluoride, fib. dms., works lb. .39 - .40
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 —
t.c.l., works lb. .52½- .55
Pregnenolone, bots. gram. .60 - —
Acetate, bots gram. .55 - —
Progesterone, USP, bots., 100 gram lots gram. .65 - —
Acetate, bots gram. .70 - —
Procaine hydrochloride, USP, 1,000-lb. lots, dms., frt. alld. lb. 2.90 - —
100-lb lots lb. 3.60 - —
Propane, indust., tanks, group 3. gal. .03½- —
N. Y. Harbor gal. .08 - —
n-Propyl acetate, dms., c.l., dlvd lb. .12¾- —
t.c.l., dlvd lb. .13¾- —
tanks, dlvd lb. .1075- —
Gallate, dms., 100 to 2,650-lb. lots works lb 3 90 4 40
p-Hydroxybenzoate, USP, dms lb. 2.30 -2.40
Thiouracil, bots., 50-kilo lots or more kilo. 55.00
smaller lots kilo. 55.10 -55.30
Propylene dichloride, dms., c.l., dlvd. E lb. .0845- —
t.c.l., same basis lb. .095 - —
tanks, same basis lb. .07 - —
Prices in West 1c. higher dlvd., on same basis.
Glycol, indust., dms., c.l., dlvd. E lb. .14¾- —
t.c.l., same basis lb. .15¾- —
tanks, same basis lb. .13 - —
USP, dms., c.l., dlvd. E lb. .16¾- —
t.c.l., same basis lb. .17¾- —
tanks, same basis lb. .15 - —
Methyl ether, dms., c.l., dlvd. E lb. .20 - —
t.c.l., same basis lb. .21 - —
tanks, same basis lb. .18½- —
Oxide, dms., c.l., dlvd. E lb. .17 - —
E lb. .17 - —
tanks, dlvd. E lb. .15 - —
t.c.l., dlvd. E lb. .18 - —
Psyllium seed, black, bgs lb. .80 - —
blonde, bgs. lb. .18 - .20
husks, bgs. lb. .45 - .50
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3, bgs., ton lots lb. .03¾- .04¼
smaller lots lb. .03¾- .04½
imp., Italian, silk-screen, coarse, bgs., ton lots lb. .06½- —
fine, bgs. ton lots lb. .04 —
sun dried coarse bgs ton. lots lb. 02½- .04
fine bgs., ton lots lb 02½ 04
purif., 20%, dms., works lb. 10.00 -10.10
Pumpkin seed, bgs lb. .25 .29
Pyrethrin, syn., (see Allethrin).
Pyrethrum flowers, fine grd. 0.9% pyrethrins bbls works. lb. .45 - —
powd., 1.3% pyrethrins, bbls., works lb. .65 - —
liq. (20 to 1) basis 2 grams pyrethrins per 100cc. odorless base, 50 dms., works. gal. 8.35 - —
1-4 dms., works gal. 8.55 - —
oleoresin, dewaxed, 20%, dms., works lb. 9.80 -10.15
purif., 20% dms., works lb. 10.00 -10.10
Pyridine, denaturing, dms., c.l., works and frt. equald gal. 2.77 - —
t.c.l., same basis gal. 2.80 - —
refd., 2°, non-ret. dms., t.c.l., same basis lb. .93 - —
Pyridoxine hydrochloride, bots., 100-gram lots gram. .55 - —
Pyrites, Canadian, works long-ton. 3.00 - 5.00
Pyrocatechol (see Catechol)
Pyrogallol, NF lb. 3.25 - 3.45
Pyroxylin, scrap, ungrd., amber, dms., works lb. .20 - —
black, dms., works lb. .12 - —
mixed, mottled, dms., works lb. .13 - —
shavings, amber, cs. works lb. No stocks.
mixed colors, dms., works lb. .11 - —
white, china, ivory, dms., works lb. .16 - —
dense, opaque, dms., works. lb. .12 - .15
translucent pastels, cs., works. lb. .14 - —
transparent colorless, dms., works lb. .25 - —
colors, dms., works lb. .15 - —
USP, bots lb. 9.50 - —

Q

Quassia chips lb. 17 - —
Quebracho extract, clarif., grd., 70% tannin, bgs., c.l., lb. .16½- .16¾
liq., 35% tannin, bbls., works. lb. .08¼- —
solid., clarif., 64% tannin, bgs., c.l., exdock, duty extra. lb. .12 23/64- —
ord., 63% tannin, bgs., c.l., same basis lb. .11 21/32- —
Quercitron extract, cryst., No. 1, bbls., l.c.l. lb. .40 - —
liq., No. 1, bbls., l.c.l. lb. .19 - —
Quicksilver (see Mercury metal).
Quince seed, bgs lb. 2.00 Nom.
Quinidine, NF, V cryst., cns., 100-oz. lots oz. 1.15 - —
powd., precip., cns., 100-oz. lots. oz. 1.17 - —
Sulfate, USP, cns., 100-oz. lots. oz. .87 - —
Quinine, NF, cns., 100-oz. lots oz. .54 - —
Bisulfate, USP, cns., 100-oz. lots oz. .37½- —
Dihydrochloride USP cns oz. .54 - —
Ethylcarbonate, NF, cns., 100-oz. lots oz. .63½- —
Hydrobromide NF cns. 50-oz. cns. oz. .47½- —
Hydrochloride, USP, cns., 100-oz. lots oz. .47½- —
Phosphate NF, cns., 100-oz. lots.oz. .61 - —
Salicylate NF, cns., 100-oz. lots.oz. .55 - —
Sulfate, USP, cns., 100-oz. lots.oz. .42 - —
Quinine and Urea hydrochloride, NF, cns oz. .56 - —
Quinoline, dms., c.l., frt. equald lb. .50¾- —
t.c.l., same basis lb. .51¼- —
tanks, same basis lb. .50 - —

R

R salt, paste, dms., frt. alld., 100% basis lb. .83 - —
powd., frt. alld. 100% basis lb. .88 - .93
Rauwolfia serpentina root, powd., bbls., dms lb. 1.75 - —
Red, BON acid maroons, pure, bbls. lb. 1.75 - —
resinated, bbls lb 1.50 - —
arylid, deep shades, bbls lb 3.60 - —
light shades, bbls lb 2.75 - —
maroon bbls lb 3.60 - 5.90
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 4.30 - —
light shade, same basis lb 4.00 - —
medium shade, bbls., same basis lb 4.25 - —
medium light shade, bbls., same basis lb 4.05 - —
orange shade, bbls., same basis lb. 3.95 - —

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Red, cadmium lithopone, deep shade, bbls., same basis. lb. 1.93 - —
light shade, bbls., same basis. lb. 1.70 - —
maroon shade, bbls., same basis lb. 2.03 - —
medium shade, bbls., same basis lb. 1.85 - —
medium-light shade, bbls., same basis lb. 1.77 - —
orange-red shade, bbls., same basis lb. 1.64 - —

Red cadmium lithopone all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c per lb higher ex whse. Los Angeles and San Francisco.

Carmine No. 40 (see Carmine).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. 1.60 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .12¾- —
Iron oxide, nat., 75%-85% ferric oxide, bgs., l.c.l., Bethlehem, Pa., Copley O., Easton, Pa., East St. Louis lb. .06 - —
syn. 98% ferric oxide, bgs., c.l., works lb. .12¾- —
l.c.l., works lb. .13 - —
Lake C toner, alizarin, bbls., works lb. 1.10 - 1.20
Lithol toner, bbls., works lb. .79 - —
rubine toner, pure, bbls., works. lb. 1.50 - —
resinated, bbls., works lb. 1.40 - —
Virginia type, bbls., works lb. 1.40 - —
Maroon toner, MNPT, kgs., works lb. 3.60 - —
10,000-lb. lots, works lb. 4.22 - —
smaller lots, works lb. 4.24 - —
Metallic, bbls., c.l., works lb. .02½- —
l.c.l., works lb. .02¾- —
Naphthol ITR, bbls., works lb. 5.25 - —
Oxide (see Red iron oxide).
Persian Gulf, bgs., c.l., works lb. .06¾- —
l.c.l., works lb. .07 - —
Para toner, bbls lb. .95 - —
Chlorinated, kgs. lb. 1.10 - 1.15
Phloxin toner (see Red eosin toner).
Rhodamine, molybdated, PMA, kegs lb. 5.35 - —
tungstated, PTMA, works, kegs. lb. 5.95 - —
Spanish oxide, bbls., c.l., ex dock lb. .05¾- —
l.c.l., ex dock lb. .06 - —
ex whse., New York lb. .06½- —
Toluidine toner, deep shades, kgs., works lb. 1.50 - —
light shades, kgs., works lb. 1.50 - —
Turkey, bbls., works lb. .60 - —
Tuscan, bbls., frt. equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- .037
20% bgs. works lb. .0475- —
25% bgs. works lb. .0525- —
30% bgs., works lb. .0550- —
35% bgs. works lb. .0575- —
40% bgs works lb .0625- —
Watchung-type, bbls lb. 1.95 - —
Red KB base (see 4-Chloro-2-aminotoluene).
Red, precipitate (see Mercuric oxide, red).
Red saunders, N.F., powd., bbls lb. .35 - .40
Reserpine, cryst., bots., 100 gram lots gram 25.00 - —
25 gram lots gram 26.00 - —
10 gram lots gram 27.50 - —
Resorcinol, tech grade, dms., c.l., works lb. 77½- —
l.c.l., works lb. .78½- —
USP cryst. dms., works lb 2.75 —
powd. dms. works lb 2.95 —
Monoacetate, NF, dms lb. 3.00 - 3.25
Rhatany root, bgs lb. .15 .16
Rhodinol, 5-lb. cans lb. 25.50 -34.00
Rhubarb root, China, whole, cs lb. .75 - .85
powd., bbls lb. .90 - .95
India, whole bgs lb. .35 - .40
powd., bbls lb. .43 - .45
Riboflavine, USP, bots., divd kilo 100.00 —
readily soluble, bots., divd kilo. 130.00 - —
5'-phosphate-sodium, 100-gram lots or more kilo. 140.00 - —
Rochelle salt (see Potassium-sodium tartrate).
Rosin gum and wood (see Naval Stores Protective Coatings market).
Rotenone, CP, bbls., works lb. 20.00 - —
tech bbls. works lb 16.50 - —
Rottenstone, bgs., 5-ton lots, ex-whse lb. .03 - —
ton lots, same basis lb. .04 - —
Rutin, NF tin dms 25-kilo lots, kilo. 17.50 -18.50
10 to 25-kilo lots kilo. 17.50 -20.00
1 to 10-kilo lots kilo. 18.90 -20.00
Ryania, 100% powd., bgs., c.l., works. lb. .22 - —
l.c.l., same basis lb. .24 - —

S

Sabadilla seed, powd., bbls lb. 40 - 4½
activated ground with lime bbls lb. .30 - .32
Saccharin, USP, gran., soluble, dms., 1000-lb lots lb 1.60 —
smaller lots lb 1.70 1.80
powd. soluble insoluble, dms. 1000-lb. lots lb 1.65 —
smaller lots lb 1.75 1.95
Saffron Spanish, USP, tins lb. 28.00 -30.00
Safrol, dms lb. 1.25 - 1.50
Sage, Cretan, bgs lb. .11 - —
Dalmatian, bgs. lb. .40 - —
Italian, bgs. lb. .14 - —
Sago flour, raw, bgs lb. .06¾- .07
refd., bgs lb. .08½- .09
Sal soda (see Soda sal).
Salol, NF, gran., bbls., kgs lb. 1.10 - —
Powdered salol, 25c. higher
Salt, rock, paper bgs., c.l. 100 lbs. .98 - —
table, vacuum, common, fine, paper bgs., c.l 100 lbs. 1.12 - —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton 24.00 -26.00
Saltpeter (see Potassium nitrate).
Sandalwood, East Indies, chips bgs. .65 - .66
powd., fib. dms lb. .75 - .76
Sanguinarine nitrate, bots oz 4.75 5.50
Santonin, NF, dom. cryst., powd. cns., dms lb. 76.50 -80.00
imported cryst., powd. cns lb. 76.50 -80.00
Sarsaparilla root, dom., bls lb. .45 - .50
imp., Honduras, bls lb. .45 Nom.
Mexican, bls lb. .35 Nom.
Sassafras root bark, ord., bls lb. .45 - —
select, bls lb. .65 - —
Schaeffer's salt, paste, dms., frt. alld. 100% basis lb. .95 - —
powd., bgs., frt. alld lb. .95 - —
Scopolamine hydrobromide, USP, bots oz. 12.25 -12.50
Seidlitz mixture, bbls., 5,000-lb. lots lb. 30½- —
smaller lots lb 31 32
Selenium, powd., dms., divd lb. 5.00 6.00
Senega root, bls lb. 3.00 - 3.30
Senna leaves, Alex., whole and half, bls lb. .19 - —
siftings lb. .17 - —
Tinnevelly, No. 1, bls lb. .16 - .18
No. 2, bls. lb. .13 - .15
No. 3, bls. lb. .11 - .13
powdered, bbls., bxs lb. .18 - —
pods, bls. lb. .14 - —
Serpentaria root, bls lb. 4.25 - —
Sesame seed, Nicaragua, hulled, ship't, bgs lb. .25 - .26
nat., bgs lb. .17½- —
Salvadorian, natural lb. Nominal

Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .58 - —
bbls., 1,500-lb. lots lb. .59 - —
kgs., 1,500-lb. lots lb. .61 - —
refd., bgs., 1,500-lb. lots lb. .66 - —
bbls., 1,500-lb. lots lb. .67 - —
kgs., 1,500-lb. lots lb. .69 - —

Bonedry shellac prices for less than 1,500-lb. lots, 1c. per lb higher for all packages.

Lemon, No. 1, bgs., 10-bg. lots lb. .52 Nom.
No. 2 bgs., 10-bag lots lb. .50 Nom.
Superfine, bgs., 10-bag lots lb. .49 Nom.
TN, bgs., 10-bg. lots lb. .48 Nom.

Shellac in 1 to 9 bg. lots, 1c. more.

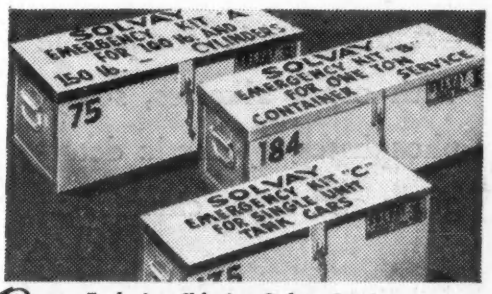
Shingle stain oil (see Oil, shingle stain).
Silica, amorph., dry-grd., 325 mesh. bgs., c.l., works ton 25.00 - —
l.c.l., works ton 30.00 -40.00
hard-quartz, 99½, 325 mesh, bgs., c.l., works ton 20.00 —
l.c.l., works ton 25.00 -30.00
140 mesh, bgs., c.l., works ton 15.00 - —
l.c.l., works ton 20.00 - —
Silicon tetrachloride, tech., dms., c.l., works lb. .16 - —
l.c.l., works lb. .20 .28½
Silver bullion, ingots, cs lb. .85¼- —
Cyanide, fib. dms., 2,500-oz. lots. oz. .77⅜- —
1,000-oz. lots oz. .77⅝- —
500-oz. lots oz. .77⅞- —
100-oz. lots oz. .78⅛- —
Nitrate, CP, crystals, bots., 2,500-oz. lots oz. .54¾- —
1,000-oz. lots oz. .56 - —
500-oz. lots oz. .56½- —
250-oz. lots oz. .57 - —

USP granular silver nitrate 4c. per oz. higher.

Silver proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong, NF, bots., dms., 1,000-oz. lots oz. 1.00 - —
Soapbark, whole, bls lb. .40 - —
crushed, bls., bbls lb. .50 - —
powd., bbls lb. .52 - —
Soda ash, dense, 58% paper bgs., c.l., works 100 lbs. 1.70 - —
l.c.l., stock points 100 lbs. 2.80 - 4.57
bbls., c.l., works 100 lbs. 2.30 - —
l.c.l., stock points 100 lbs. 3.35 - 4.12
bulk, c.l., works 100 lbs. 1.40 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.65 - —
l.c.l., stock points 100 lbs. 3.75 - 4.52
bbls., c.l., works 100 lbs. 2.20 - —
l.c.l., stock points 100 lbs. 3.25 - 5.52
bulk, c.l., works 100 lbs. 1.35 - —
Soda, caustic, flake, powd., 76%, dms., c.l., works, frt. equald. 100 lbs. 4.25 - —
l.c.l., stock points 100 lbs. 5.45 - —
liq., 50%, sellers' tanks, works, dry basis 100 lbs. 2.70 - —
rayon-type, sellers' tanks, works, dry basis 100 lbs. 2.80 - —
70%, sellers' tanks, works, dry basis 100 lbs. 2.80 - —
rayon-type, sellers' tanks, works, dry basis 100 lbs. 2.90 - —
solid, 76%, dms., c.l., works 100 lbs. 3.85 - —
l.c.l., stock points 100 lbs. 5.05 - —
Sal., bgs., c.l., works 100 lbs. 1.40 - —
l.c.l works 100 lbs. 1.70 - —
Sodium acetate, anhyd., bgs., c.l., works lb. .12 - —
dms., l.c.l., works lb. .12¾- —
NF, 60%, gran., dms., c.l., works lb. .11 - —
dms., l.c.l., works lb. .1250- —

Sodium alginate, NF, white powd., dms., ton lots, works lb. .87 - 1.30
refd., bbls., works lb. .83 - —
p-Aminobenzoate, dms., 1,000 lb. lots or more lb. 2.40 - —
smaller lots lb. 2.45 - 2.50
p-Aminosalicylate, dms., 1,000-lb. lots or more, frt. adjusted lb. 3.75 - —
smaller lots, same basis lb. 3.80 4.25
Antimoniate, bbls., c.l., dlvd, E lb. .29 - —
l.c.l., dlvd E lb. .30½- —
Arsenate, dms., c.l., works lb. .12½- —
l.c.l., works lb. .13¾- .14¾
Arsenite, dms., c.l., works lb. .13½- —
l.c.l., works lb. .14¼- .15½
soln., dms., works gal. .70 - 1.10
Ascorbate, dms., 25-50 kilo lots kilo. 16.00 - —
10-kilo lots kilo. 16.35 - —
5-kilo lots kilo. 16.75 - —
1-kilo lots kilo. 17.00 - —
bots., 500-gram lots kilo. 17.50 - —
Benzoate, tech., bbls., dms., 100-lb lots or more lb. .39 - —
USP, 1 bls., dms. 100-lb. lots, or more lb. .46 - —
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs. 3.70 - —
powd., bgs., c.l., works 100 lbs. 2.30 - —
l.c.l., works 100 lbs. 3.30 - —
Bichromate, bgs., c.l., works lb. .11½- —
l.c.l., works lb. .12 - .13¼
Bifluoride, bbls., c.l., works, frt. equald lb. .17½- —
l.c.l., same basis lb. .1790- —

Only with SOLVAY CHLORINE do you get these 3 EXCLUSIVE SERVICES

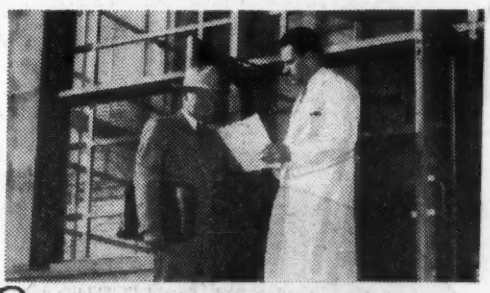

SOLVAY EMERGENCY KIT "A" FOR 150 lb. CYLINDERS
75
SOLVAY EMERGENCY KIT "B" FOR ONE TON CONTAINER SERVICE
184
SOLVAY EMERGENCY KIT "C" FOR SINGLE UNIT TANK CARS

(1) Exclusive Chlorine Safety Service

SOLVAY has long been a leader in the development of safety programs for chlorine users. It has pioneered employee safety training programs and initiated the latest advances in safety practices.

SOLVAY has designed and engineered special kits for emergency repairs to every type of SOLVAY Chlorine container.

These SOLVAY Safety Kits may be purchased by SOLVAY Chlorine users . . . or in an emergency they may be borrowed at various locations without charge. Booklets describing these kits with detailed instruction on their use are supplied at no cost. SOLVAY customers can also obtain – free of charge – SOLVAY's Safety Charts for employee instruction on safety practices . . . procedures to follow in an emergency . . . and the location of the *nearest* SOLVAY repair kits.



(2) A Specialized Technical Service

Only SOLVAY offers you an *industry-wise* Technical Service that is devoted exclusively to chlorine users in textile, paper, water, sewage and other industries. SOLVAY's staff of engineers, chemists and technicians are available AT NO COST OR OBLIGATION!

(3) Exclusive Series of Technical Bulletins

SOLVAY's technical bulletins are recognized as one of the most highly reliable sources of information on chlorine and its uses.

These bulletins are: Bulletin No. 7, "Liquid Chlorine," Bulletin No. 8, "Alkalies and Chlorine in Treatment of Municipal and Industrial Water," Bulletin No. 11, "Water Analysis," Bulletin No. 12, "The Analysis of Liquid Chlorine and Bleach," Bulletin No. 14, "Chlorine Bleach Solutions."

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Sodium Bisulfate—Sodium Tripolyphosphate

Sodium bisulfate, bulk, c.l., works. 100 lbs. 2.00 - —
dms., c.l., works 100 lbs 2.65 - 3.85
l.c.l., works 100 lbs 3.05 - 3.65
Bisulfite, anhyd., bgs., c.l., works. 100 lbs. 4.50 - —
t.c.l., works 100 lbs 4.90 - —
soln., 35°, bbls., c.l., works. 100 lbs 1.40 - —
t.c.l., works 100 lbs 1.80 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works. lb. .34 - .35
Cacodylate, NF, dms., jars lb. 6.25 - 6.50
Carbonate, anhyd. (see Soda ash), crystalline decahydrated (see Soda sal), monohydrated bgs., c.l., works 100 lbs 2.90 - —
t.c.l., works 100lbs. 3.30 - —
Carboxymethyl cellulose (see CMC).
Chlorate, cryst., dms., c.l., works. lb. .08¾- —
t.c.l., works lb. .10¼- .11
Chloride, tech. (see Salt).
USP, dms. lb. .05 .12
Chlorite, tech., dms., c.l., works. lb. .58 - —
20-ton lots or more, works. lb. .66 - —
smaller lots, works lb. .70 - .73
Chloroacetate, tech., dms., c.l., works lb. .27 - —
l.c.l., works lb. .28 - —
Chromate, dms., c.l., works lb. .13¼- —
t.c.l., same basis lb. .13¾- .15
Citrate, anhyd., dms. lb. .60 - .65
NF VIII, gran., dms lb. .26 .30½
USP, XVI gran., dms lb. .29½- .34
Sodium citrate USP powd prices ½c higher

Sodium cyanate, dms., 1,000-lb. lots, works lb. .85 - 1.10
smaller lots, works lb 1.00 1.25
Cyanide flake, 96-98%, dms., c.l. or 20,000-lb. lots lb. .178 - —
over 1,000-lb lots lb. .188 - —
100-lb. to 1,000-lb. lots lb. .198 - —
Granular sodium cyanide ½c higher.
Diacetate, 33-35% acidity, 250-lb. dms., works lb. .14 - —
l.c.l., works lb. .14¾- —
anhyd., dms., c.l., works lb. .17 - —
l.c.l., works lb. .17¾- —
Dichromate (see Sodium bichromate).
Ferrocyanide, bgs., 10-ton lots lb. .13½- —
smaller lots lb. .14 - —
Fluoride, white, 97%, bbls., c.l., works lb. .1250- —
t.c.l. works lb 1290- —
Formate, bgs., c.l., dlvd. E 100 lbs. 7.60 - —
t.c.l., works 100 lbs 8.65 - —
Gentisate, 100-lb. fib dms fb 8.50 —
Gluconate, refd., dms. lb. .80 - .83
tech., dms lb. .35 - —
Glutamate, mono-, dms., c.l lb. 1.55 - —
Glycerophosphate, NF, cryst., bbls. lb. 2.10 - 2.25
powd., bbls lb. 2.15 - 2.30
soln., 75%, cybs lb. 1.45 - 1.60
Hydride, dms., works lb. 1.80 - 3.00
Hydrosulfide (see Sodium sulfhydrate).
Hydrosulfite, dms., c.l., frt. alld. lb. .23 - —
t.c.l., frt. alld. lb. .23½- —
Hydroxide, tech. see Soda caustic).
NF, pellets, 100-lb dms. lots lb. .18½- .23
Hypophosphite, NF, dms., ton-lots or less lb. .95 - .98

Sodium hyposulfite, NF (see Sodium thiasulfate),
pea crystals, bgs 100 lbs. 4.50 - —
gran., bgs., c.l., works 100 lbs. 4.75 - 5.00
photo grade, bgs., c.l., works. 100 lbs. 4.50 - 4.75
l.c.l., works 100 lbs. 5.00 - 5.05
tech., bgs., works 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 4.90 - 6.90
Sodium hyposulfite crystals in bbls., 50c. higher.
Iodide, USP, bots., dms lb. 2.55 - —
Lactate, edible, 50%, dms., cbys., works lb. .21½- —
60% dms chys. works lb. .26½- —
tech., 50% dms., chys. works, lb. 16¼- —
Lauryl sulfate, dms., c.l., dlvd lb. .22 - —
l.c.l., dvld lb. .23 - —
tanks, dlvd lb. .20 - —
Metabisulfite (see Sodium bisulfite).
Metaborate, octahydrate, gran., bgs., c.l., works ton 78.50 - —
t.c.l., ex whse ton 124.50 - 129.50
Sodium metaborate, octahydrate in bbls., $24.50 per ton higher
Tetrahydrate, c.l., bbls., works. ton 199.50 - —
Metallic, bricks, bbls., works lb. .17 - .19
tanks, works lb. .16 - —
Metanilate, bbls., frt. alld lb. .62 - —
Metasilicate, anhyd. ogs., c.l., works 100 lbs. 5.10 - —
l.c.l., works 100 lbs. 5.20 - 7.10
dms., c.l 100 lbs. 5.25 - —
l.c.l. 100 lbs. 5.60 - 6.00
Pentahydrate, bgs., c.l., works. 100 lbs. 4.10 - —
l.c.l., works 100 lbs. 4.45 - —
dms., c.l., works 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 5.10 - —

Sodium molybdate, bbls., cbys., works lb. .75 - .85
anhyd., powd., dms., works lb. .85 - .92
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls lb. .70 - —
Nitrate, crude, dom., bgs., c.l., works ton 47.00 - —
bulk, c.l., works ton 43.50 - —
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac., whse ton 51.25 - —
bulk, c.l., same basis ton 47.75 - —
Nitrite, USP, bbls., c.l., works, frt. equald lb. .08 - —
l.c.l., same basis lb. .09½- —
Orthosilicate, conc., dms., c.l., works 100 lbs. 6.00 - —
l.c.l., works 100 lbs. 6.35 - 6.75
hydrated flake bbls. c.l. works 100 lbs. 5.25 - —
l.c.l., dlvd. 100 lbs. 7.00 - —
Oxalate, 88%, bgs., works 100 lbs. 10.85 - —
Para-aminobenzoate (see sodium p-Aminobenzoate).
Para-aminosalicylate (see Sodium p-Aminosalicylate).
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .25½- —
c.l. same basis lb. .25½ .28½
pellets, bgs., c.l., same basis lb. .25 - —
t.c.l. same basis lb. .26 .28
powd., bgs., c.l., same basis, lb. .24 - —
t.c.l. same basis lb. .25 - .27
Pentachlorophenate, 20,000 lbs. min. truckloads, ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works lb. .193 - —
t.c.l. works lb. .198 —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .1860- —
t.c.l. same basis lb. .1910- .2010
Phenolsulfonate, USP IX, gran., dms lb. .44 - .45
powd., dms lb. .47 - .48
Phosphate, dibasic, anhyd., bgs., c.l., frt. equald 100 lbs. 7.45 - —
t.c.l., works 100 lbs. 7.85 —
USP, dried powd., bgs., dms., works lb. .19 - .20½
duohydrate, bgs., c.l., frt. equald 100 lbs. 7.95 - —
t.c.l., frt. equald 100 lbs. 7.25 - —
monobasic, anhyd., bgs., c.l., frt. equald 100 lbs. 8.45 - —
t.c.l., frt. equald 100 lbs. 8.90 - —
tribasic, cryst., bgs., c.l., frt. equald 100 lbs. 4.20 - —
t.c.l., frt. equald 100 lbs. 4.60 - —
Sodium phosphates in dms. 60c higher than bgs.
Prussiate, yellow (see Sodium ferrocyanide).
Pyrophosphate acid, bgs., c.l., works, frt. equald 100 lbs. 10.75 - —
ferric, dms., 1,500-lb. lots, works. lb. .31 - —
smaller lots, works lb. .32 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 7.90 - —
t.c.l., frt. equald 100 lbs. 8.10 - —
Salicylate, USP, dms lb. .68 - —
Sesquicarbonate, bgs., c.l., works. 100 lbs. 2.10 - —
t.c.l., dlvd., zone 1 100 lbs. 3.85 - 4.10
zone 2 100 lbs. 4.10 - 4.35
zone 3 100 lbs. 4.40 4.65
zone 4 100 lbs. 5.10 5.35
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls, excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
Sesquisilicate, hydrated, bgs., c.l., works. 100 lbs. 4.60 - —
l.c.l., works 100 lbs. 4.95 - —
dms., c.l., works 100 lbs. 5.00 - —
l.c.l., works 100 lbs. 5.35 - —
Silicate, liq., 40° 1:2.3, turbid, dms., c.l., works 100 lbs. 1.35 - —
l.c.l., works 100 lbs. 1.70 - 2.30
tanks, works 100 lbs. 1.00 - —
47°, turbid, 1:2.9, dms., c.l., works 100 lbs. 1.95 - —
l.c.l., dms., works. 100 lbs. 2.55 - 2.80
tanks, works 100 lbs. 1.60 - —
52°, turbid, 1-2-3, dms., c.l., works 100 lbs. 2.30 - —
l.c.l., works 100 lbs. 2.65 - 3.05
tanks, works 100 lbs. 1.95 - —
solid, 1:2.4, bgs works ton 57.50 - —
Silicofluoride, bgs., c.l., works lb. .07 - —
t.c.l. works lb. .07 - .08
Sodium silicofluoride in dms., 4-10c higher
Stannate dms., works, frt. alld. E lb. .530 - .584
Sulfa drugs (see Sulfa name).
Sulfanilate, bbls., works lb. .22 - —
Sulfate, NF, VII, dried, powd., dms lb. .22½- —
tech., anhyd., bgs., c.l., dlvd., E 100 lbs. 2.50 - —
rayon grade, bgs., c.l., works. ton 29.00 - —
t.c.l., works ton 35.00 - —
USP, cryst. fib dms lb. .17½ .18
gran. fib dms lb. .17½- .18
Sulfide, flake, dms., c.l., works, E., frt. equald lb. .05¼- —
t.c.l., same basis lb. .05¾- —
fused, bbls., c.l., works, E., frt. equald lb. .04¾- —
t.c.l., same basis lb. .05¼- —
Sulfite, anhyd., bgs., c.l., works. 100 lbs. 3.00 - —
t.c.l. same basis 100 lbs 3.50 —
powd., bbls., c.l., works 100 lbs. 7.25 - —
t.c.l. works 100 lbs 7.50 -
Sulfhydrate, flake, 70-72%, dms., c.l., works lb. .06½- —
t.c.l., works lb. .07 - —
liq., 40-44%, tanks, works, 100% basis ton 110.00 - —
Sulfocyanide, CP, (see Sodium thiocyanate).
Tetrasulfide, liq., 40%, dms., c.l., works lb. .03½- —
t.c.l., works lb. .04 —
Tetraborate (see Borax).
Thiocyanate, CP, dms lb. .55 - .65
tech. dms. works lb. .377 —
Thiosulfate, NF, cryst., bbls. lb. .12½- —
tech (see Sodium hyposulphite).
Titanate, cbns., c.l., works lb. .10½- —
5-ton lots, works lb. .10¾- —
1 ton or less, works lb. .11 - —
Trichloroacetate, 98% 100-lb. dms., c.l., frt. alld., E lb. .37½- —
t.c.l., frt. adjusted, E lb. .39½- —
50-lb dms., c.l., frt. alld. E. lb. .38 - —
t.c.l., frt. adjusted, E lb. .40 - —
10-lb cns., c.l., frt. alld. E. lb. .44 - —
t.c.l., frt. adjusted, E lb. .46 —
Prices on Sodium trichloroacetate W. of the Rockies are 1¾c. per pound higher.
Tripolyphosphate, bgs., c.l., works, frt. equald 100 lbs. 8.05 - 8.25
l.c.l., same basis 100 lbs. 8.30 - 8.45

DRYMET®
anhydrous—the most highly concentrated form of sodium metasilicate. Economical, contains no water of crystallization.

Cowles detergent silicates are uniform in composition and particle size—dust free—readily soluble—compatible with other alkalies, soaps, phosphates, synthetic detergents and other chemicals.

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DRYORTH®
anhydrous—powerful, speedy, heavy-duty sodium orthosilicate—an economical constituent of high pH cleaning compounds.

CRYSTAMET®
pentahydrate—for compounding when lower concentration of finished product is desired. Can be used on medium pH jobs.

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Laundry Products
Soap Builders
Metal Cleaners
Paint Cleaners
Dairy Cleaners
Paper de-inking Compounds
Dishwashing Compounds
Household Cleaners

WRITE TODAY for our DRYMET File Folder containing complete technical information and suggested formulations.

COWLES CHEMICAL COMPANY
7016 Euclid Avenue • Cleveland 3, Ohio

Sodium trisilicate, powd., 1:32.2, bgs., c.l., works..100 lbs. 8.65 - —
l.c.l., works.....100 lbs. 9.40 -12.80
dms., c.l., works.....100 lbs. 9.05 - —
l.c.l., works.....100 lbs. 9.80 -10.25
Tungstate, tech., kgs., dlvd. E..lb. 1.80 - —
Sodium-ammonium phosphate, bbls., works, frt. equald. lb. .23 - —
Sodium-carboxymethyl cellulose (see CMC).
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dms., c.l., dlvd..lb. .21 - —
l.c.l., same basis.....lb. .21½- —
Sodium-zirconyl sulfate, fiber dms., 1,000-lb lots or more works lb. .28 - —
smaller lots, same basis lb. .30 - —
Solvent naphtha, coaltar, high flash, tanks, works..gal. .31 - .35
petroleum (see Petroleum solvent, partial aromatic).
Sorbitan monostearate, fib. dms., 20,000-lb. lots, works..... lb. .32 - —
10,000 to 20,000-lb. lots, works, lb. .34 - —
smaller lots, works lb. .37 - .39
Tristearate, fib. dms., 20,000-lb. lots, works lb. .33 - —
10,000 to 20,000-lb. lots, works, lb. .35 - —
smaller lots works lb. .38 - .40
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
1 to 5-ton lots, works lb. .32 - .33
powd., dms., 1 to 5-ton lots, works, lb. .38 - .39
soln., coml., aqueous, dms., c.l., works..lb. .24½- —
ton lots works lb. .25 - —
smaller lots, works....lb. .25¼- —
tanks works lb. .23¾- —
reg., 70%, aqueous, dms., c.l., works..lb. .16 - —
ton lots works lb. .16¾- —
smaller lots, works lb. .17 - —
tanks, works lb. .15 - —
Soybean meal, 44%, bulk, Decatur. ton.66.00 - —
protein, chemically isolated, 40,000 to 60,000-lb. lots, dlvd. lb. .25 - —
20,000 to 40,000-lb. lots, same basis lb. .25¼- —
100 to 20,000-lb. lots, same basis lb. .25½- —
mechanically refd., bgs., 40,000-lb. lots, same basis lb. .0605- —
20,000-lb. lots, same basis. lb. 0620- —
smaller lots, same basis. lb. .0635- —
Sparteine sulfate, cns ..... oz. .85 - .95
Spearmint leaves, dom., bls ..... lb. .75 - —
imp., bls ..... lb. 1.25 - —
Spruce, extract, liq., reg. tanks, works lb. .01¾- —
powd. super. bgs., c.l., works. lb. .05¼- —
l.c.l. works ..... lb. .05½- —
Squill, white, bls ..... lb. .17 - .19
powd., bbls. bxs ..... lb. .18 - .21
St. John's bread, edible, bls ... lb. .13 - .15
Stannic chloride, anhyd., dms., works lb. .743 - .755
Oxide, dms., dlvd. E ..... lb. .95 - .96
Stannous chloride, anhyd., cms., works lb. .793 - 1.06
Hydrous (crystals), dms., works. lb. .75 - .90
Sulfate, dms., works ..... lb. .912 - .932
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 7.14 - —
l.c.l. ..... 100 lbs. 7.29 - —
powd., paper bgs., c.l 100 lbs 7.26 - —
l.c.l. ..... 100 lbs. 7.41 - —
Prices for corn starch in cotton bags 25c per 100 lbs higher.
Potato, dom., Idaho, bgs., c.l., works. lb. .06¾- —
Maine, bgs., c.l., works .. lb. .06½- —
l.c.l., spot ..... lb. .08¼- .08½
Rice, bgs., l.c.l. ..... lb. .15½- .16
Wheat bgs ..... lb. .0755- .0780
Star root (see Helonias root).
Stargrass Root (see Aletris root).
Stavesacre seed, bgs ..... lb. .60 - .61
Stearine oleo (see Oleostearine).
Stomach substance, not USP, 100-lb. fib. dms lb. 2.90 - —
Stramonium leaves, bgs lb. .18 - .20
Streptomycin hydrochloride, bulk, gram. .15 - —
Sulfate, bulk ..... gram. .15 - —
Strontium bromide, NF, cns., dms. lb. .77 - .78
Carbonate, pure, dms., 5-ton lots or more, works. lb. .35 - —
1-ton lots, works..... lb. .37 - —
tech., dms., works ..... lb. .19 - —
Chromate, bbls., works ..... lb. .46 - —
Iodide, jars, 25-lb. lots ..... lb. 3.42 - —
Nitrate, bbls., cs., works..... lb. .11 - .12
Salicylate, NF, dms ..... lb. 1.65 - —
Sulfate, air floated, 90%, 325 mesh, bgs., works..ton.56.70 -66.15
Strophanthin, K, bots ..... oz.25.00 -25.50
G, (see Ouabaine, USP).
Strophanthus seed, Kombi, biologically tested, bgs lb. 3.50 - 3.75
Styrax, USP, cs ..... lb. .78 - .80
Strychnine, NF, powd., cns., 100-oz. lots oz. 1.10 - —
Phosphate, NF, cns., 100-oz. lots.oz. 1.14 - —
Sulfate, USP, powd., cns., 100-oz. lots oz. .85 - —
crystals, 25-oz. lots ..... oz. .96 - —
Styrene monomer, dms., c.l., works. lb. .22¼- —
l.c.l., works ..... lb. .23¼- —
tanks works ..... lb. .21 - —
Styrolyl acetate, bots ..... lb. 1.45 - 1.70
Sucrose, refd., white, bgs., refy., E. 100-lbs. 8.65 - —
Octa-acetate, denaturing grade, 100-200-lbs., bgs., l.c.l., works. lb. .76 - —
Sulfabenzamide, dms ..... lb. 4.00 - 4.50
Sodium dms ..... lb 4.10 - 4.60
Sulfacetamide, fib. dms..... lb. 4.00 - 4.20
Sodium fib dms lb. 5.00 - 5.20
Sulfadiazine, USP, microcrystals, dms lb.10.60 -11.10
powd., dms ..... lb.10.25 -10.75
Sulfadiazine-sodium, USP, dms lb.11.25 -11.75
microcrystals, dms..... lb.10.60 -11.10
Sulfaguanidine, USP, dms..... lb. 2.50 - —
Sulfamerazine, USP, microcrystals. lb.10.65 -11.15
Sulfamerazine-sodium, USP, dms., lb.11.25 -11.75
Sulfamethazine, microcrystals, dms., lb. 8.90 - 9.40
powd., dms..... lb. 8.50 - 9.00
Sulfanilamide, USP, 30-80 mesh., dms lb. 1.40 - 1.60
microcrystals, dms ..... lb. 1.70 - 1.90
powd., dms..... lb. 1.30 - 1.50
Quinoxaline, veterinary, dms.. lb. 6.50 - 6.75
Sulfapyridine, NF, powd., bots., tins. lb. 7.00 - 7.50
Sulfapyridine-sodium, monohydrate, dms lb. 7.50 - 8.00
Sulfathiazole, USP, microcrystals, dms lb. 3.15 - 3.30
powd., dms ..... lb. 2.80 - 2.95
Sulfathiazole-sodium, USP, dms lb. 3.05 - 3.20

Sulfur, coml., flour, bgs., mines. 100 lbs. 2.30 - —
bbls., mines .....100 lbs. 3.05 - —
lump, bgs., mines.....100 lbs. 2.20 - —
bbls., mines.....100 lbs. 2.65 - —
crude, bulk, c.l., mines, contract. long-ton.26.50 - —
export, f.o.b. vessels, Gulf ports..long-ton.31.00 -33.00
domestic and Canada, f.o.b. vessel Gulf port..long-ton.28.00 -29.50
refd., flowers, USP, bgs., mines. 100 lbs. 4.00 - —
bbls. .....100 lbs. 5.25 - —
flour, light, bgs., mines..100 lbs. 3.60 - —
bbls., mines .....100 lbs. 4.50 - —
lump, bgs., mines.....100 lbs. 3.30 - —
rolls, bgs., mines.....100 lbs. 3.85 - —
bbls., mines .....100 lbs. 4.40 - —
salt block, bgs., mines..100 lbs. 3.50 - —
virgin block, bbls., mines.. 100 lbs. 3.45 - —
rubbermakers, coml., reg., bgs., mines..100 lbs. 2.40 - —
bbls., mines ... 100 lbs. 3.55 - —
98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.50 - —
bbls., mines ... 100 lbs. 3.65 - —
refd., bgs., mines....100 lbs. 3.25 - —
bbls., mines ... 100 lbs. 4.30 - —
treated, 2.5% mineral oil, bgs., mines..100 lbs. 2.70 - —
bbls., mines...100 lbs. 3.85 - —
10% pine tar, bgs., mines. 100 lbs. 3.90 - —
Dichloride, dms., c.l., works, frt. equald..lb. .03¾- —
l.c.l., same basis ..... lb. .04½- —
tanks, same basis ..... lb. .03½- —
Dioxide, liq., coml., cyls., works. lb. .09 - —
multi unit cars, works lb. .0535- —
tanks, works ... lb. .045 - —
refrigeration, cyls., c.l., dlvd.. lb. .24 - —

Sulfur monochloride, 55-gal., dms., c.l., frt. equald.....lb. .03¾- —
l.c.l., same basis..... lb. .04½- —
tanks, same basis ..... lb. .03½- —
Sumac leaves, 28%, bgs., ex-docks, ton.125.00 - —
ground, bgs., ex-dock....ton.120.00 - —
Superphosphate, run-of-pile, under 22% a.p.a. pulv., bulk, c.l., Balto., unit-ton. .88 - .91
Carteret, N. J.....unit-ton. .88 - .91
Superphosphate, triple, 46% or more, a.p.a., pulv., bulk, c.l., East Tampa, Fla... unit-ton. .98 - —

T

2,4,5-T, dms., c.l., works, frt. equald. lb. 1.25 - —
l.c.l., same basis ..... lb. 1.30 - 2.30
Isopropyl, ester, dms., c.l., works, frt. equald lb. 1.30 - —
l.c.l., works..... lb. 1.35 - —
Talc, dom., ord., Calif., grad., bgs., c.l., works ton.32.00 -38.50
Vermont off color, grd., bgs., c.l., works ton.14.00 - —
l.c.l., works ..... ton.17.50 - —
Talc, fibrous, New York, grd., bgs., c.l., works ton.25.00 -30.00
l.c.l. works ..... ton.28.00 -30.00
99.5%, 325 mesh, bgs., c.l., works ton. 27.00 - —
l.c.l., works ton.30.00 -32.00
99.95% micronized, bgs., works ton.36.00 - —
Imp., Canadian grd., bgs., c.l., mines..ton.15.25 -36.00

Sodium Trisilicate—Terpine Hydrate, Coml.

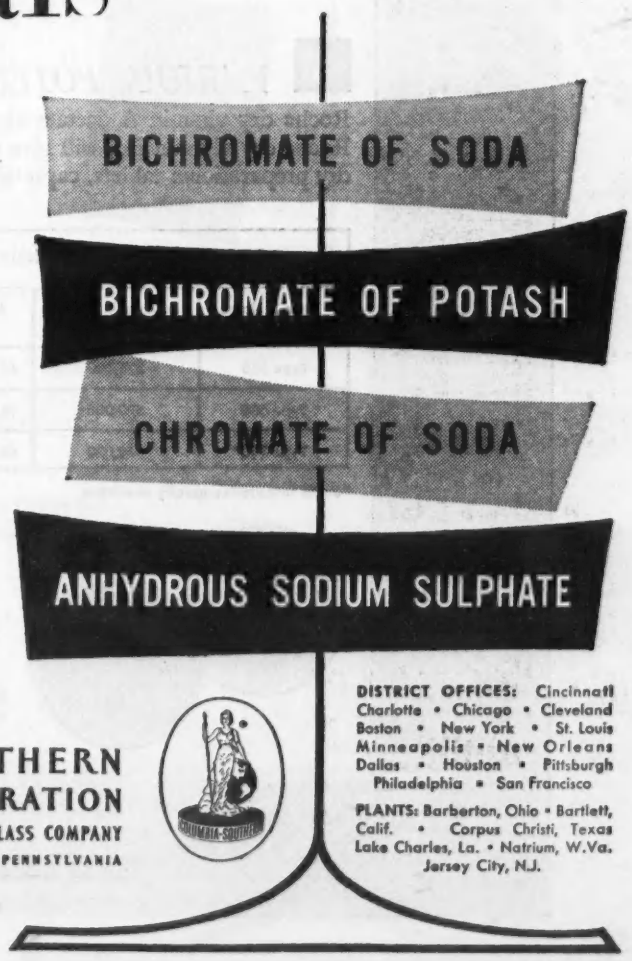
Tallow, edible, tanks, dlvd..... lb. .14 - —
extra, tanks, dlvd ..... lb. .07¾- —
inedible, fancy, bleachable, tanks, dlvd lb. .08 - —
No. 1, tanks, dlvd ..... lb. .07 - —
special, tanks, dlvd ..... lb. .07½- —
sulfonated, 25%, bbls., l.c.l lb. .07¾- .08
50% bbls., l.c.l ..... lb. .09¾- .10
Tankage, animal, feeding, 9-11% ammonia, bulk unit-ton. 6.75 - —
Chicago ..... unit-ton. 7.25 - —
Tapioca flour, Brazilian, ex whse, bgs lb. .09 - .09¼
Java, AAA, bgs. ex whse., bgs. lb. .03¾ Nom.
AA, bgs., ex-whse..... lb. .03½ Nom.
Siamese ..... lb. .07 - .07¼
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .47 .49
l.c.l., same basis ..... gal. .50 .51
tanks, same basis ..... gal. .39 —
25-28%, dms., c.l., same basis. gal. .54 .56
l.c.l., same basis ..... gal. .57 .58
tanks, same basis ..... gal. .46 —
50-52%, dms., c.l., same basis. gal. .70 - .72½
l.c.l., same basis..... gal. .73½ .74¼
tanks, same basis ..... gal. .62½ —
Coal (see Coaltar).
Tartar emetic (see Antimony-potassium tartrate).
Terpine glycol ether, dms., c.l., works lb. .23½- —
l.c.l., works ..... lb. .25½- —
tanks, works ..... lb. .22 - —
Hydrate, coml., bbls., c.l..... lb. .24½- —
l.c.l. ..... lb. 25 .25¼

Announcing Columbia-Southern® Chrome Chemicals

As previously announced in many news columns, the plant and facilities of the Natural Products Refining Company of New Jersey have been acquired by Columbia-Southern. The production of various chrome chemicals is being continued and shipments are being made from the plant at Jersey City, New Jersey.

The personnel of the former company is being retained and fully utilized. This staff is being augmented by Columbia-Southern personnel who bring with them the background of over fifty years' experience with industrial chemicals. The combination is one which will assure highest quality products and service.

Columbia-Southern welcomes the opportunity of serving your needs for chrome chemicals. Your inquiries will receive prompt attention.



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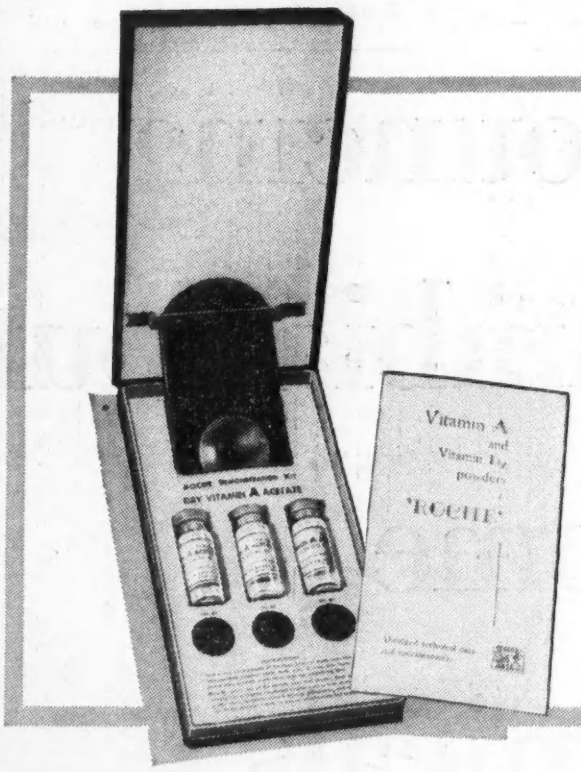
Why you should use ROCHE

1 *HIGH STABILITY*—Tests of Roche vitamin A acetate powder alone and in combination with Roche vitamin D_2 powder and other dry vitamins, minerals, fillers, lubricants and flavors, under manufacturing conditions show that Roche dry vitamin A has excellent stability in coated and uncoated tablets, in hard and soft gelatin capsules, and in powdered products. Other tests of Roche vitamin A and vitamin D_2 powders stored in open containers under accelerated aging prove that these products have an extraordinarily high potency retention. Special precautions in handling are unnecessary.



2 *LIGHT COLOR...FREE FLOWING.*

Roche dry vitamin A is a light yellow color. It is produced as spherical granules having an irregular surface. It flows freely. The granules contain finely dispersed vitamin A acetate of high purity in a starch-coated protective matrix to avoid atmospheric oxidation. It is practically odorless and tasteless.

Prove it yourself, get the ROCHE demonstration kit

Prove to yourself the excellent color and uniform particle size of Roche dry vitamin A acetate with this simple demonstration. Kit also contains abridged version of the new Roche dry vitamin A technical brochure to give you quick facts about the product. We shall be glad to send you one of these free kits at your request. Or ask your Roche salesman.

3 *VARIOUS POTENCIES and COMBINATIONS*

Roche dry vitamin A acetate alone, or in combination with Roche dry vitamin D_2, will give you easier manufacturing of dry preparations: tablets, capsules, vitamin-fortified powdered supplements. See the table below for the many potencies and mesh sizes which Roche has to help you. Designated potencies are confirmed by U. S. P. assay methods.

ROCHE DRY Vitamin A acetate			ROCHE DRY vitamin A acetate and vitamin D_2 COMBINATIONS			ROCHE DRY Vitamin D_2		
Type & Name	Potency in (U.S.P. units per gram)	Mesh Sizes	Type & Name	Potency in (U.S.P. units per gram)	Mesh Sizes	Type & Name	Potency in (U.S.P. units per gram)	Mesh Sizes
Type 325	325,000	40, 60 and 80	Type 325A–32.5D	A –325,000 D_2– 32,500	40 and 60	Type 850	850,000	40 and 60
Type 500	500,000	40, 60 and 80						
Type 250*	250,000	40, 60 and 80	Type 500A–50D	A –500,000 D_2– 50,000	40 and 60			

*Small inventories usually available

ROCHE DRY

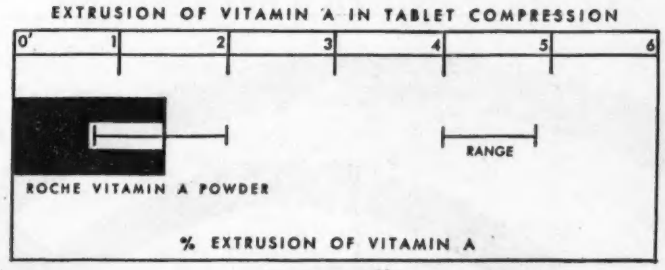
DRY VITAMIN A acetate

4 *UNIFORM PRODUCT.* The many years of experience which Roche has in vitamin research and manufacture insure the production of dry vitamin A which is uniform in potency, color and particle size.

5 *CONVENIENCE.* With its free-flowing character, easy combination with other dry ingredients, and starch-coated, irregular particle surface to prevent separation during mixing and sticking in tabletting machine dies, Roche dry vitamin A is ideally suited for preparing coated and uncoated tablets, hard and soft gelatin capsules and dry formulations.

6 *LOW PROCESSING LOSS.* Roche dry vitamin A has excellent resistance to the high pressures found during tabletting. Thus you may make tablets virtually without loss of vitamin A potency during processing. The table (right) shows the extremely small percentage of vitamin A loss due to extrusion. The average extrusion loss is negligible.

EXTRUSION OF VITAMIN A IN TABLET COMPRESSION



7 *NO FISHY TASTE...* no fishy "burp" or after-taste will *ever* occur in any of your products made with Roche dry vitamin A.

8 *BIOLOGICAL AVAILABILITY.* Laboratory tests by rat liver storage assay and by U.S.P. rat curative growth assay show that Roche dry vitamin A acetate and dry vitamin D_2 have complete biological availability in the test animals.

9 *PACKAGING.* All types of Roche dry vitamin A acetate and Roche dry vitamins A and D_2 combinations are packed in polyethylene bags in fibre drums or 2-kilo Tamper-pruf metal containers—to insure safe delivery and ease of handling and storage.

10 *SAMPLES* are yours on request. Just ask your Roche salesman or write the Vitamin Division.

NEW TECHNICAL BROCHURE NOW READY FOR YOU FREE

A complete, spiral-bound technical brochure on Roche dry vitamin A acetate is now being distributed. Containing 36 pages, illustrated, with data about biological availability, particle sizes, physical properties, analytical methods, assays and extrusion tests, this brochure can give you much help. Be sure to get your personal copy now. Just ask your Roche salesman or write the Vitamin Division. It's free.

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286 St. Paul Street, West, Montreal, Quebec

VITAMIN A acetate

Terpine Hydrate, NF—Vanilla Beans

Terpine hydrate, NF, cryst., fib. dms. lb. .57½ - .62
powd., fib., dms lb. .65 - .69
a-Terpineol, dms., l.c.l., dlvd. E lb. .19 - —
Terpineol, coml., dms., c.l., South. lb. .13½ - —
l.c.l., South lb. .14 - —
extra dms lb. .41 - .60
prime, dms lb. .30 - .45
Terpinyl acetate, extra, cns., dms. lb. .60 - .75
prime dms lb. .55 - .70
Propionate, dms. lb. 1.75 - 2.00
Terra alba, (see Gypsum).
Testosterone, USP, 100-gm. lots, bots gram. .79 - —
Propionate, USP, 100-gm. lots, bots gram. .75 - —
Tetrachloroethane, dms., works lb. .14½ - —
Tetrachloroethylene, tech. (see Perchloroethylene).
USP, 55 gal. dms., works lb. .20½ - .21½
smaller dms., works lb. .23½ - .25
Tetraethyl orthosilicate, dms., c.l., dlvd. E lb. .64 - —
l.c.l., dlvd. E lb. .65 - —
Pyrophosphate, 40%, cns., dms., frt. equald lb. .69 - —
Tetraethylenepentamine, dms., c.l., dlvd. E lb. .57½ - —
l.c.l., dlvd. E lb. .58½ - —
tanks, dlvd. E lb. .56 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd lb. 12.50 - 15.00
Sulfate, 99%, bots., dlvd lb. 8.60 - 13.00
Theobromine, NF, fib. dms lb. 3.60 - —
And sodium acetate, USP, fib. dms lb. 3.90 - 3.95
Sodio-Salicylate, NF, fib. dms lb. 3.20 - 3.25
Theophylline, anyhd. or USP, 100-lb. dms lb. 3.65 - —
Thiamine hydrochloride, USP, regular or ampul-type, fib. dms. kilo. 100.00 - —
Mononitrate, USP, fib. dms kilo. 100.00 - —
Thiocarbanilide, dms lb .50 - .52
Thiodiphenylamine (see Phenothiazine).
Thiophene, dms., c.l., works lb. No stocks
Thiourea, tech., dms., c.l., works lb. .40 - —
l.c.l., works lb. .42 - —
Thorium nitrate, purif., fib. dms., 100-lb. lots or more, works lb 3.50 - —
dl-Threonine, bots., 1-kilo lots kilo. 450.00 - 500.00
Spanish, bgs. lb. .10 - —
Thyme leaves, French, bgs lb. .20 - —
Thymol, fib. dms lb 2.75 - 3.00
Iodide, NF, dms lb. 7.30 - —
Timbo root (see Cube root)
Tin chloride (see Stannous chloride, anhydrous).
crystals (see Stannous chloride, hydrous).
Metal (Straits) lb. .90 - —
Oxide (see Stannic oxide)
Sulfate (see Stannous sulfate).
Tetrachloride anhyd. (see Stannic chloride, anhydrous)
Titanium dioxide anatase, chalk resistant, bgs., c.l., dlvd lb. .22½ - —
l.c.l., dlvd. lb. .23½ - —
ceramic, bgs., c.l., dlvd lb. .22½ - —
l.c.l., dlvd lb. .23½ - —
reg., bgs., c.l., dlvd lb. .22½ - —
l.c.l., dlvd. lb. .23½ - —
Titanium dioxide metallurgical, nat., gran., bgs., c.l., f.o.b. Jacksonville, Fla ton. 120.00 - —
Niagara Falls, N. Y. ton. 137.50 - —
5-ton lots, same basis. ton. 142.50 - —
ton lots, same basis. ton. 147.50 - —
Milled titanium dioxide $7.50 per ton higher.
rutile, non-chalking, bgs., c.l., dlvd. E lb. .24½ - —
l.c.l., dlvd. E lb. .25½ - —
Hydride, cns., works lb. 7.95 - 9.00
Pigment, calcium-rutile base, bgs., c.l., dlvd lb. .08⅝ - —
l.c.l., dlvd lb. .08⅞ - —
Tetrachloride, tech., dms., c.l., works lb. .40¾ - —
l.c.l., works lb. .43¾ - —
tanks, works lb. .39¾ - —
dl-a-Tocopherol, bots kilo. 149.65 - —
Acetate, bots kilo. 136.00 - —
o-Tolidine base, dist., kgs lb. 1.30 - —
Tolu balsam, cns lb. 4.25 - —
Toluene (see Toluol).
p-Toluenesulfonamide, flake, dms., frt. alld lb. .64 - .66
powd., works lb. .70 - —
solid, frt. alld lb. .61 - —
m-Toluidine, dms., c.l., works, frt. alld lb. .79 - —
l.c.l., same basis lb. .80 - —
tanks, same basis lb. .78 - —
o-Toluidine, dms., c.l., works, frt. alld lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .22 - —
p-Toluidine, flake, dms., frt. alld lb. .64 - —
solid, dms., frt. alld. lb. .60 - .61
Toluol, coaltar, indust. or nitration, tanks, works:—
Bethlehem, Pa. gal. .34 - —
Birmingham dist gal. .32 - —
Chicago dist gal. .35 - —
Cleveland, dist gal. .34½ - .35
Geneva, Utah gal. .36 - —
Johnstown, Pa. gal. .32 - —
Lackawanna, N. Y. gal. .35 - —
Lone Star, Tex gal. .33 - —
Lorain, Ohio gal. .33 - —
Minnequa, Colo gal. .32 - —
Philadelphia district gal. .34 - —
Pittsburgh dist gal. .32 - —
Sparrow's Point, Md gal. .34 - —
Terre Haute, Ind gal. .35 - —
Youngstown, Ohio gal. .32½ - .33
petroleum, indust., 2° tanks, works:—
Albany, N. Y. gal. .3[illegible] - —
Bayonne, N. J. gal. .34 - —
Baytown, Tex. gal. .33 - —
Chicago, Ill. gal. .39 - —
Detroit, Mich gal. .35 - —
Houston, Tex. gal. .32 - —
Philadelphia, Pa. gal. .34 - —
Providence R. I. gal. .35 - —
Wood River Ill. gal. .35 - —
2,4-Tolylenediamine, cryst., fib., dms., frt. alld lb. .94 - —
powd., same basis lb. 1.00 - —
Tonka beans, Angostura, cks lb. 1.65 - 1.80
Brazilian, Surinam, cs lb. 1.00 - 1.25
Totaquine, 100-oz. lots, cns oz. .42 - —
Toxaphene, dms., c.l., works lb. .17 - —
truckloads, works lb. .17 - —
ton to truckloads, works lb. .20 - —
smaller lots, works lb. .23 - —
Triacetin, dms., c.l., dlvd. E, of Rockies lb. .39 - —
l.c.l., same basis lb. .40 - —
tanks, same basis lb. .37 - —
Tributyl citrate, tech., dms., c.l., works lb. .40½ - —
l.c.l., works lb. .41½ - —
tanks, works lb. .39 - —
Phosphate, dms., c.l., works lb. .52 - —
l.c.l. same basis lb. .53 - —
tanks, same basis lb. .50 - —
Tributylamine, dms., c.l., works. lb. .67 - —
l.c.l., same basis lb. .68 - —
tanks, same basis lb. .65 - —
Trichlorobenzene, dms., c.l., works, frt. alld. E lb. .14½ - —
l.c.l., frt. alld E lb. .15½ - —
tanks, frt. alld. E lb. .13 - —
Prices in the West 1¾c. higher.
Trichloroethylene, dms., c.l., or truckloads, works, frt. equald. lb. .11¼ - —
dlvd. E lb. .12⅛ - —
l.c.l., dlvd. E lb. .13½ - —
tanks, works, frt. equald lb. .10¼ - —
dlvd. E lb. .11 - —
Trichloroethane, dms., c.l., works. lb. .13 - —
l.c.l., works lb. .13½ - —
tanks, works lb. .11½ - —
Tricholine citrate, 65% soln., ret. cbys., works, frt. adjusted lb. 1.40 - 1.45
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .35 - —
l.c.l. dlvd. lb. .36 - —
tanks, dlvd. lb. .33 - —
petroleum, dms., c.l., dlvd lb. .35 - —
l.c.l. dlvd. lb. .36 - —
tanks, dlvd. lb. .33 - —
Triethanolamine, dms., c.l., dlvd. E lb. .21¾ - .23¼
l.c.l., same basis lb. .22¾ - .24¼
tanks, same basis lb. .20 - .21½
Triethylamine, dms., c.l., works, dlvd. E lb. .47 - —
l.c.l., same basis lb. .48 - —
tanks, same basis lb. .45 - —
Triethyl citrate, tech., refd., dms., c.l., works lb. .48 - —
l.c.l., works lb. .53 - —
tanks works lb. .45¾ - —
Phosphate, dms., c.l., works lb. .38 - —
l.c.l. same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethylene glycol, dms., c.l., dlvd. E, lb. .18¼ - .19¾
l.c.l., same basis lb. .19¼ - .20¾
tanks, same basis lb. .16½ - .18
Triethylenetetramine, dms., c.l., works, dlvd. E lb. .48½ - —
l.c.l., dlvd. E lb. .49½ - —
tanks, dlvd. E lb. .47 - —
Trimethylamine, 25-30% soln., dms., c.l., works, frt. equald., 100% basis lb. .42 - —
l.c.l., works, frt. equald, 100% basis lb. .42½ - —
tanks, works, frt. equald, 100% basis lb. .33 - —
Tripentaerythritol, bgs., l.c.l., works. lb. .35 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .39 - —
l.c.l., frt. equald lb. .40 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripropylene glycol, dms., c.l., frt. alld. E. lb. .19¾ - —
l.c.l. frt. alld. E. lb. .20¾ - —
Prices 1c. per lb. higher in
Trisodium fluoroacetate (see Sodium fluoroacetate, tribasic)
Phosphate (see Sodium phosphate tribasic).
west.
Trypsin, pharmaceutical, 1:250 dms., works lb. 3.95 - —
dl-Tryptophane, fib. cns., works. kilo. 165.00 - —
Tuba root (see Cube root)
Tungsten metal, powd., 98.8%, dms., dlvd lb. 4.95 - —
Turpentine, gum (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots gram. .75 - .85

U

Urethane, USP, dms lb. 1.50 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Urea, dom., 46% N, bgs., c.l., works. ton. 110.00 - 120.00
45% N, bgs., c.l., 30 tons, dlvd. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and E ton. 154.00 - 137.00
Urea-ammonia liquor, A and B grades N basis, tankcars, Belle, W. Va ton. 128.00 - —
C grade, tankcars, same basis. ton. 126.50 - —
37 grade tankcars, same basis. ton. 155.50 - —
Uva ursi leaves, bls lb. .12 - .14

V

Valerian root, Belgian, bgs lb. 38 - 40
dl-Valine, dms., works lb. 21.00 - 27.50
Valonia beards, 40-42% tannin, bgs., ex-dock ton. 64.50 Nom.
Valonia cups, 28-30% tannin, bgs., ex-dock ton. 63.00 - 64.00
extract, powd., 62% tannin, bgs., ex-dock, duty extra lb. .08½ - —
Vanadium pentoxide tech., dms., works lb 1.28 - 1.33
Vanilla beans, Bourbon, tins lb. 10.50 - 11.00
Mexican, cuts, tins lb. 10.25 Nom.
whole, tins lb. 10.50 - 11.00
Tahiti, cs. lb. 10.25 Nom.

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Because it is unusually free of impurities, Cyanamid's Thiamine Mononitrate possesses notable whiteness and palatability. It provides the manufacturer of vitamin formulations with a more stable, more potent form of B_1.

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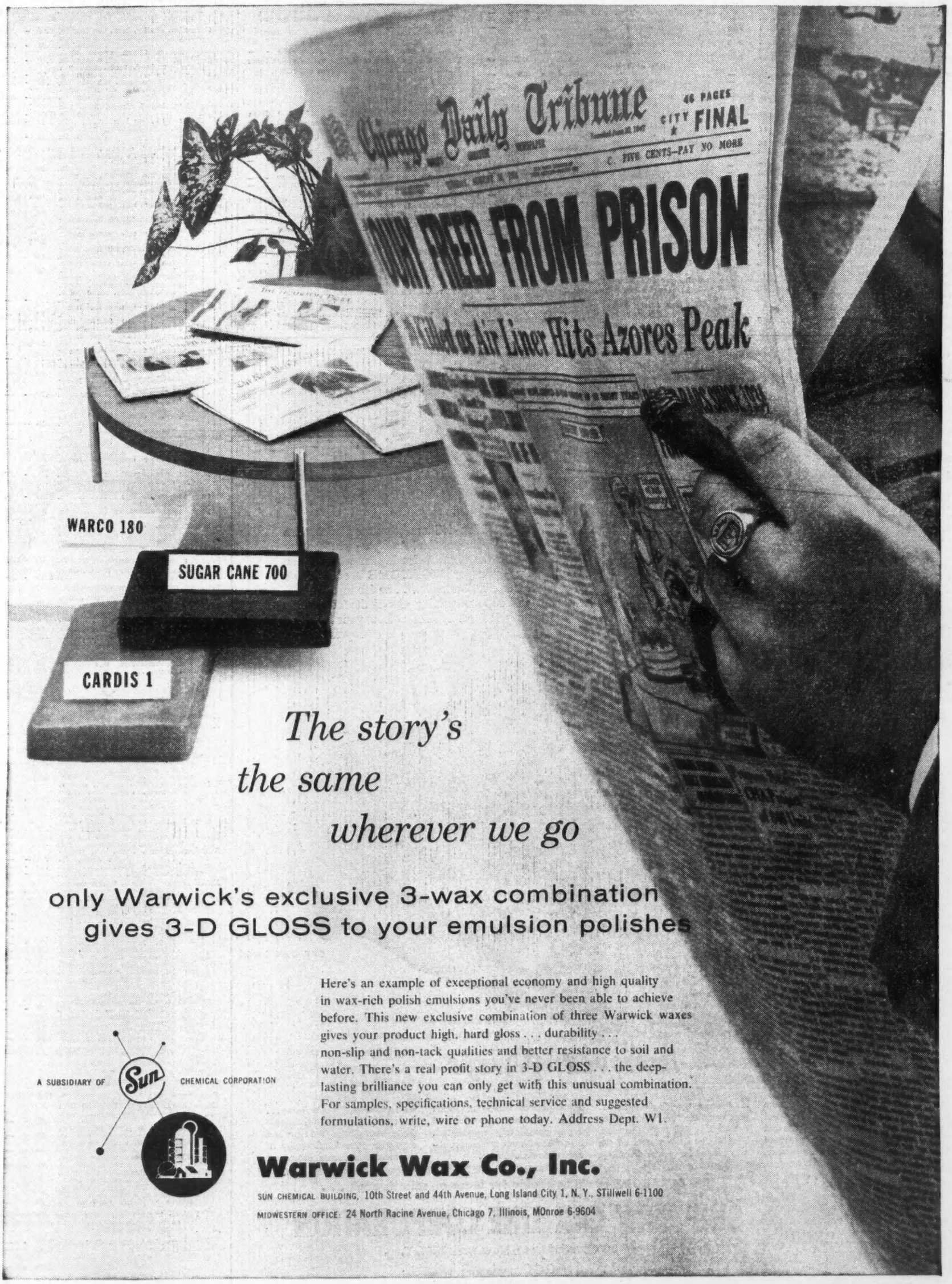

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MIDWESTERN OFFICE: 24 North Racine Avenue, Chicago 7, Illinois, MOnroe 6-9604

Vanillin—Yellow, Cadmium Lithopone

Vanillin, ex eugenol, tins, 25-lb. lots, lb. 6.50 - 6.75
smaller lots lb. 6.90 - 7.25
ex guaiacol, tins, 25-lb lots lb. 3.00 —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25-lb lots lb. 3.00 —
smaller lots, tins lb. 3.05 3.15
Vinyl acetate monomer, 55-gal. dms., c.l., dlvd. E lb. .18½- —
l.c.l., dlvd. E lb. .19½- —
tankcars, dlvd. E lb. .16½- —
tanktrucks, dlvd. E lb. .17½- —
n-Butyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Chloride monomer, cyls., frt. equald lb. .26 - —
tanks, same basis lb. .13¼ —
Ether, USP, anesthesia, bots., 50 c.c., hospitals, bot 1.12 - —
75 c.c. bot. 1.56 - —
Vinyl ethyl ether,, tech., dms., c.l., works lb. .26 - —
l.c.l., works lb. .28 - —
tanks, works lb. .25 - —
Isobutyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Methyl ether, cyls., works lb. .23 - —
tanks, works lb. .20 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).
2-Vinylpyridine, dms., works lb. 1.40 - 1.5.
Vinyltoluene, dms., c.l., works lb. .20¼- —
l.c.l., works lb. .21¼- —
tanks, works lb. .19 - —
Viosterol, in alcohol, 1,000,000 D units per gram, bots., lots of 10 billion USP units, 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in nat., veg. oil, 400,000 to 1,000,000 D units per gram, bots lots of 10 billion USP units, 1,000,000 units. .02 - .04¾
lots of 1 billion USP units, 1,000,000 units. .025 - .05¼
lots of less than 1 billion USP units, 1,000,000 units. .03 - .05¾
Vitamin A synthetic, acetate crystalline beads 500,000 A units per gram gram. .07¼- —
liquid in oil 1,000,000 A units per gram, 1,000,000 units. .12 - —
Palmitate, liq., 1,000,000-1,800,000 A units per gram 1,000,000 units. .12 - —
in oil, 1,000,000 A units per gram 1,000,000 units. .13 - —
B (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxine hydrochloride).
B_{12} crystalline, 1-gram or 5-gram vials gram 245.00 - —
oral grade solids, in containers of 1 and 5 grams of B_{12} activity gram 185.00 - —
Vitamin C (see Acid, ascorbic).
D (see Oils, codliver and fish-liver, Calciferol and Viosterol).
D_2 (see Calciferol).
E (see a-Tocopherol and Oil, wheat germ).
G (see Riboflavin).
H (see Biotin).
Vitamin K, Active (see Menadione).
$K_{1(2)}$ 25 gram bots gram. 4.50 - —
Violet methyl toner (see Blue methylviolet toner).
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root, bark, bls lb. 2.50 Nom.
Warfarin, 0.5%, dms., 50 lb lots, dlvd lb. 1.95 - —
25-49 lb. lots, f.o.b., N. Y., or Chi lb. 2.05 - —
5-24 lb. lots, cns, f.o.b., N. Y., or Chi lb 2.15 - —
Wattle bark, fair average, African, bgs., ex dock ton 98.00 - —
merchantable, bgs., ex dock ton 94.00 - —
extract, liq., 35% tannin, bbls. lb. .09¾- .10
solid, E. Africa, 60% tannin, bgs., ex dock, duty extra lb. .10 - —
S. Africa, 60% tannin, bgs., ex-dock, duty extra lb. .10 - —
Wax, amorph, (see Wax microcrystalline)
Bayberry, bgs., spot lb. .42 - .45
Bees, crude, African, bgs lb. .55 - .56
Brazilian bgs lb. No stocks
Central American, bgs lb. .57 - .57½
Chilean, bgs lb. .57 - .57½
refd., bleached, white, bricks, lb. .73 - .75
slabs lb. .72 - .74
yellow, bricks lb. .60 - .61
slabs lb. .59 - .60
Wax, candelilla, crude, bgs lb. .64 - .66
refd., bgs lb. .67 - .69

Powdered candelilla, 20 mesh, 7c. per lb. higher, 80 mesh, 7c.; 100-200 mesh, 8c.

Carnauba, chalky, bgs., ton lots lb. .69 - .70
North Country, No. 2, bgs., ton lots lb. .84 - .85
No. 3, Ceara, crudes, bgs., ton lots lb. .70 - .72
refined, tech., bgs., ton lots lb. .73 - .75
pure, bgs., ton lots lb. .80 - .82
Parnahyba, crude, bgs., ton lots lb. .74 - .76
yellow, No. 1 Ceara, bgs., ton lots lb. 1.03 - 1.05
No. 2, bgs., ton lots lb. 1.01 - 1.03
No. 1, Parnahyba, bgs., ton lots lb. 1.11 - 1.15

Powdered carnauba wax price differentials same as powdered candelilla.

Japan, bgs lb. .50 Nom.
Microcrystalline, 170°-175° F., m.p., ASTM, penetration 15-20, amber, ctns., 20,000 lbs., group 3, works lb. .13 - .14
smaller lots, same basis. lb. .14 - .15
black, ctns., 20,000 lbs., same basis lb. .11½- .12½
smaller lots, same basis. lb. .12½- .13½
white, ctns., 20,000 lbs., same basis lb. .24 - .25
smaller lots, same basis. lb. .25 - .26
180°-185° F.m.p., ASTM, penetration, 7-11; amber, ctns., 20,000-lb. lots, same basis. lb. .16 - —
smaller lots, same basis. lb. .17 - —
black, ctns., 20,000 lbs., same basis lb. .14½- —
smaller lots, same basis. lb. .15½- —
white, ctns., 20,000 lbs., same basis lb. .27 - —
smaller lots, same basis. lb. .28 - —
190°-195° F., m.p., ASTM, penetration 2-7, amber, ctns., 20,000 lbs., same basis lb. .20 - —
smaller lots, same basis. lb. .20½- —
black, ctns., 20,000 lbs., same basis lb. .18 - —
smaller lots, same basis. lb. .18½- —
white, ctns., 20,000 lbs., same basis lb. .33½- —
smaller lots, same basis. lb. .34½- —
Montan, dom., refd., bgs. lb. .31 - .32
imp., crude, Bohemian, bgs lb. .13 - .13½
German, bgs lb. .14 - .14½
Ouricury, refd., bgs lb. .95 - .98
Paraffin (see P).
Spermaceti, blocks, cs lb. .25½- .31
cakes, cs lb. .26½- .32
Sugar cane, dom., refd., slabs, works lb. .75 - .80
spot lb. .77¼- .82¼
White lead (see Lead, white).
White pine bark, rossed, bls lb. .18 - .19
White precipitate, USP, powd., dms. lb. 6.55 - —
Whiting (see Calcium carbonate).
Wild cherry bark, thin, nat., bls. lb. .18 - .19
rossed, bls lb. .19 - .23
Ginger (see Snake root, Canada).
Witch hazel bark, bls lb. .16 - .17
leaves, bls lb. .18 - .19
Woolfat, crude (see Degras).
USP (see Lanolin).
Wormseed, American, bgs lb. .20 - .25
Levant, bgs lb. 4.25 - 4.50

X

Xylene (see Xylol).
Xylenol, cryst., 58°-60°C., m.p., dms., l.c.l., works lb. .40 - —
56°-58°C., dms., l.c.l., works, frt. equald lb. .30 - —
45°-47°C., dms., c.l., same basis. lb. .212 - —
l.c.l., same basis lb. .215 - —
tanks, same basis lb. .199 - —
fractions, over 7°C., b.r., except meta, dms., c.l., same basis gal. .90 - —
l.c.l., same basis gal. .99 - —
tanks, same basis gal. .85 - —
meta fraction, over 7°C. b.r., ams., c.l., same basis gal. 1.01 - —
l.c.l., same basis gal. 1.04 - —
tanks, same basis gal. .90 - —
Xylidines, mixed, dms., c.l., truckload, works lb. .39 - —
l.c.l., same basis lb. .40 - —
tanks, same basis lb. .38 - —
Xylol, coaltar, indust., tanks, works, Bethlehem, Pa gal. .34 - —
Birmingham district gal. .32 - —
Chicago district gal. .35 - —
Cleveland district gal. .35 - —
Geneva, Utah gal. .27 - —
Johnstown, Pa. gal. .33 - —
Lackawanna, N. Y. gal. .35 - —
Lone Star, Tex. gal. .33 - —
Lorain, Ohio gal. .33 - —
Minnequa, Colo. gal. .34 - —
Philadelphia district gal. .34 - —
Pittsburgh district gal. .32 - —
Sparrows Point, Md. gal. .34 - —
Terre Haute, Ind. gal. .35 - —
Youngstown, O gal. .32½- —
petroleum, indust., tanks, works:— Bayonne, N. J. gal. .34 - —
Baytown, Tex. gal. .33 - —
Chicago, Ill. gal. .35 - —
Houston, Tex. gal. .35 - —
Philadelphia, Pa. gal. .34 - —
Providence, R. I. gal. .35 - —
Wood River, Ill. gal. .35 - —

Y

Yara yara, cns lb. 2.15 - 2.65
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
90 Int'l B units per gram, 100-lb dms lb. .52 - —
200 Int'l B units per gram, 100-lb. dms lb. .56 - —
300 Int'l B units per gram, 100-lb dms lb. .60 - —
Yellow, barium chromate, CP, bbls., dlvd. N. l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island St. Louis St. Paul lb. .35 - —

Yellow barium chromate price differentials in other States and city zones are those for chrome yellow below

Benzidine, AAA, bbls., dlvd lb. 1.91 - —
AAOT bbls lb 2.15 - —
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.85 - —
lithopone, all shades, bbls., frt. alld., E of Rockies lb 1.15 - —

Cadmium yellows, Los Angeles and San Francisco, ex whse., 1c. per lb. higher.

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Flued Dome Tank Car

A million-dollar press was needed to make this new car possible! And yet—whether you follow the trend to leasing, or whether you buy—you get DURADOME benefits at *no extra cost*. Stronger . . . easier to clean . . . easier to apply lining. Get *all* the facts on the new DURADOME now from your Shippers' representative.

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1. ***Flued Dome*** . . . dome base actually pressed out of heavy steel plate—eliminating fillet welds and dome shelf for greater structural strength and corrosion resistance.

2. ***Pressure-type Construction*** . . . uses complete "ring-sections" or cylinders to build up the tank. That means heavier steel *all* the way around for greater durability.

3. ***All-welded Insulation Jacket*** (when required) . . . angles and bolts completely eliminated. Streamlined—more weatherproof—needs less maintenance.

4. ***Standardized Underframe*** . . . the same, all-welded underframe for tanks of all standard types and capacities. Provides flexibility of use; more economical maintenance!

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Yellow, chrome, CP, bbls., dlvd. N. Tenn., and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island. lb. .31 - —

Dlvd Ala. Fla., Ga., La (Shreveport, 1¼c. higher); Miss., N. C., S. C., Penna., Dallas, Tex., 1¼c higher; Ft. Worth, Tex., 1½c higher; El Paso Tex. 2c higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c higher dlvd Pac Coast; for Denver Pueblo Salt Lake City Wichita prices are equalized with Chicago

Hansa, 10 G, bbls., same basis as yellow, chrome lb. 2.15 - —
G pigment, tons lb 1.91 - —
Iron oxide, natural, French type, bgs., c.l., works lb. .05¼- —
Peruvian type bgs., l.c.l lb. .038 - —
pure bgs. c.l. works lb. .10½- —
l.c.l. works lb. .10¾ —
Mercury oxide, bbls., 1,000-lb. lots. lb. 5.58 - —
smaller lots lb. 5.60 - —
Ocher (see Yellow, iron oxide, natural)
Zinc (chromate), bbls., dlvd... lb. .25 - —
basic dlvd lb .30 - —
Yerba santa leaves, bls lb. .40 - .42
Yohimbine hydrochloride, bots, tin. oz. 4.75 - 5.25

Z

Zein, bgs., 30,000-lb. lots, works lb. .38 - —
1,000 to 30,000-lb lots, works lb. .40 - —
smaller lots works lb. .43 - —
Zinc acetate, tech., bbls., dms., works lb. .27 - —
NF VIII dms lb. .53 - —
Borate, bgs., c.l., dlvd. E... lb. .192 - —
l.c.l. dlvd F lb .202 —
Chloride, NF, gran., dms lb. .42 - —
precipitated unwd dms lb 26 - —
soln., 50%, dms., c.l., works. 100 lbs 5.50 - —
l.c.l. works 100 lbs. 6.10 - —
tanks, works 100 lbs. 4.85 - —
tech., fused, dms., c.l., works. 100 lbs. 10.10 - —
l.c.l., works, dms 100 lbs. 10.60 - —
gran., fib., dms., c.l., works 100 lbs 10.60 - —
l.c.l. works 100 lbs. 11.00 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., 1,000-lb. lots or more works lb. .523 - —
smaller lots, works lb. .543 - —
Dust, pigment, bbls., c.l., works. lb. .14¾- —
l.c.l., works lb. .15¾- —
Fluoride bbls., works lb. .49 - .50
Hydrosulfite, dms., c.l., frt. alld. lb. .21½- —
l.c.l., frt. alld lb. .22 - .37½
Metal, prime western slabs, E. St. Louis lb. .11½- —
Naphthenate, liq., 8% Zn., dms., frt. alld lb. .24½- —
10% Zn. dms., frt alld lb. .30 - —
Oxide, pigment, American process, lead-free, bgs., c.l., dlvd lb. .13¼- —
l.c.l., dlvd lb. .14½- —
leaded 35%, bgs., c.l., dlvd lb. .14¼- —
l.c.l., dlvd lb. .15¼- —
50%, bgs., c.l., dlvd lb. .14⅝- —
l.c.l., dlvd lb. .15⅜- —
French process, coml., green seal, bgs., c.l., dlvd. lb. .15¼- —
l.c.l., dlvd lb. .16¼- —
red seal, bgs., c.l., dlvd lb .14¾- —
l.c.l., dlvd lb. .15⅜- —
white seal, bgs., c.l., dlvd. lb. .15¾- —
USP, etns., c.l., dlvd lb. .16¾- —
l.c.l., dlvd lb. .17¾- —
Zinc oxide Pac. coast prices 1c. higher.
Phenolsulfonate, NF, gran., dms. lb. .39 - —
powd., dms lb. .42 - .49
Resinate, precip., 7.2-7.6% Zn, dms., frt. alld lb. .29 - —
Silicofluoride, bbls., works lb. .12 - .13
Stearate, tech., USP, etns., c.l., lb. .37 - —
l.c.l., lb. .38 - .42
Sulfate cryst., 22% Zn, bgs., c.l., works, frt. alld 100 lbs. 8.05 - —
l.c.l., same basis 100 lbs. 8.60 - —
flake, 25½% Zn, bgs, works, 36% Zn, bgs., c.l., frt. alld. 100 lbs. 7.90 - 8.05
l.c.l., same basis 100 lbs. 8.65 - 8.80
powd., monohydrate, bgs., c.l., dlvd. E.. 100 lbs. 7.90 - —
l.c.l., dlvd. E ... 100 lbs. 8.65 - —
Zinc sulfate in bbls. 40c. higher.
USP gran dms lb. .26 - —
Sulfide, pure, bgs., c.l., dlvd. lb. .2530- —
Undecylenate, dms. lb. 2.25 - 2.50
Yellow (see Yellow, zinc).
Zinc-ammonium chloride ogs., c.l., works 100 lbs. 9.65 - —
bbls., c.l., works 100 lbs. 10.25 - —
l.c.l., bbls., works 100 lbs. 10.75 - —
Zinc-formaldehyde sulfoxylate, basic, dms., c.l. lb. .25¼- —
l.c.l. lb. .26 - .41½
normal dms. l.c.l. works lb. .52 - —
Zircon (G), gran., bgs., c.l., works. lb. .03½- —
5 tons to c.l., works lb. .03⅝- —
1 ton to 9,999-lb. lots, works. lb. .04 - —
smaller lots, works lb. .06½- —
milled, bgs., c.l., works lb. .04½- —
lb. .04½- —
5 tons to c.l., works lb. .04⅝- —
1 ton to 9,999-lb. lots, works. lb. .04⅝- —
500 to 1,999-lb. lots, works. lb. .07½- —
Zircon (G) in barrels, 1c. higher.
Zirconium acetate, 13% soln. ZrO_2, c.l., 30,000 lbs. minimum, works lb. .23 - —
Hydride, cns., works lb. 7.00 - 8.45
Nitrate, dms., ex whse lb. 4.50 - 7.00
Oxide, 92½%-99%, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric-fused, bgs., c.l., works lb. .44 - —
5-ton lots, works lb. .44½- —
1 ton to 9,999-lb. lots, lbs., works lb. .45 - —
CP, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric fused, bags, 500 to 1,999-lb. lots, works lb. .45½- —
smaller lots, works. lb. .48 - —
milled, electric-fused, bgs., c.l., works lb. .59 - —
5-ton lots, works lb. .59½- —
1 ton to 9,999-lb. lots, works lb. .60 - —
500 to 1,999-lb. lots, works lb. .60½- —
smaller lots, works. lb. .63 - —
Oxychloride, cryst., etns., 5-ton lots, works lb. .35½- —

ACTH Is Fractionated

—Continued from page 4

Cyanamid's research division Lederele Laboratories in Pearl River, N. Y.

At the outset of the project, Dr. Bell reported, it was widely believed that the molecule being sought consisted of only eight instead of thirty-nine amino acids. A unique feature of the molecule is that its acidic and basic components are grouped separately. The acidic portion, it was found, can be eliminated by pepsin digestion with no apparent effect on the activity of the remaining molecule.

An indication of the complexity of the research project is the number of "countercurrent distribution" operations performed. This is a technic of automatically extracting one fluid with another employing a mechanical device consisting of an extremely intricate pattern of glass tubing which rocks back and forth. At one point during the research, the device was run continuously for six weeks, believed to be the longest run ever made.

Aided by Wilson & Co.

Over a period of four years the project used 5,000 grams of "clinical" grade ACTH, furnished by Dr. David Klein of Wilson & Co., which had been obtained from the anterior pituitary glands of 400,000 hogs. The numerous processes employed during the research reduced this quantity to about one gram, of which a half-gram was finally used to prove its chemical structure.

Several important research technics were developed and some unusual ones employed in the effort to determine the structure of the ACTH molecule. For instance, because of the small quantities of chemically pure ACTH available, usual methods of degradation were not practical and a method employing enzyme digestion was used. Use of this method, Dr. Bell believes, may make it practical to study even larger and more complex proteins than ACTH.

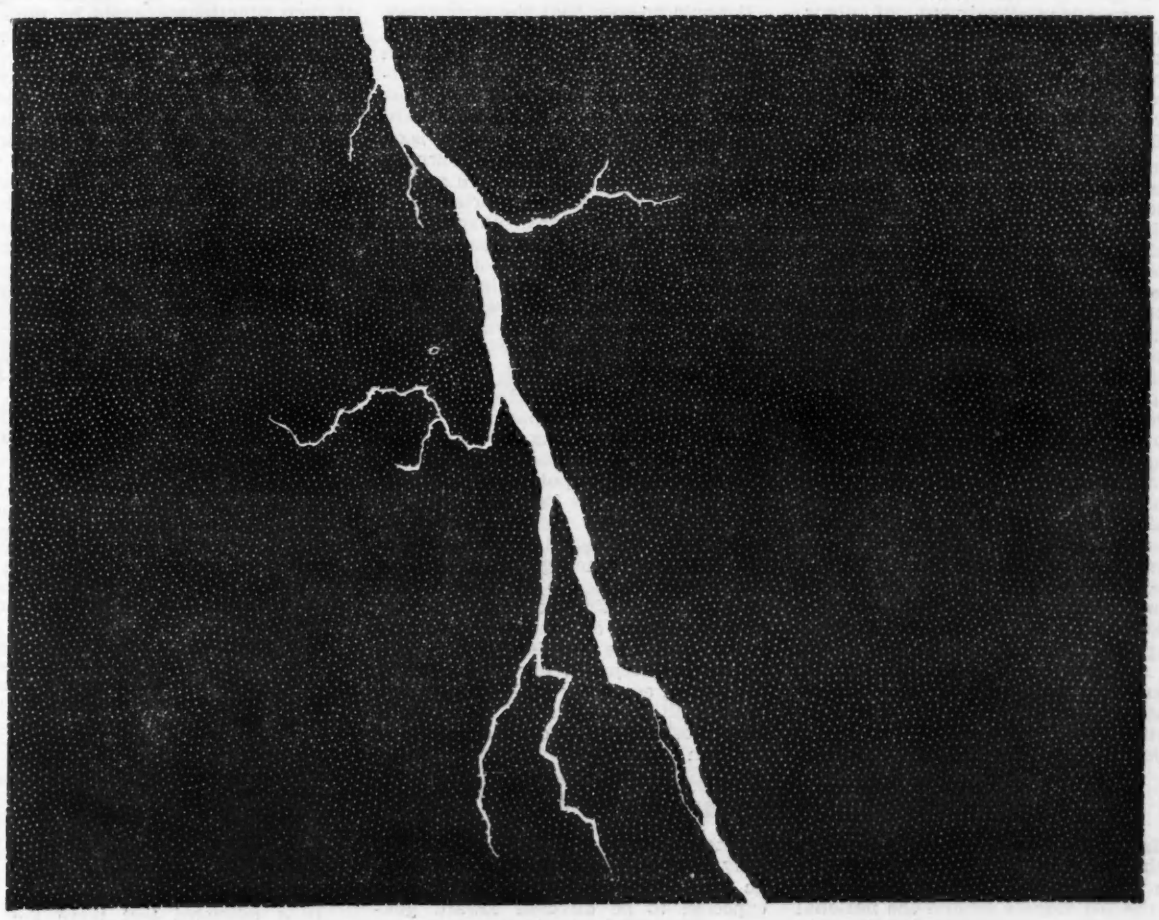
Efficiency of technics employed during the project have already stimulated research into methods of synthesizing other protein hormones. Drs. G. W. Anderson, J. R. Vaughan, and R. W. Young of the Stamford Laboratories have developed two new peptide synthetic methods involving the use of phosphite and alkylchlorocarbonate reagents. These methods were used in the recent syntheses of oxytocin and vasopressin (the hormones involved in childbirth, and in kidney function) reported by Dr. Vincent du Vigneaud, head of the biochemistry department of the Cornell University Medical School.

Dr. Bell's report was made in today's issue of the Journal of the American Chemical Society.

Solvay Process Division Reassigns Dugan, Baxter

New assignments for William E. Dugan, Jr. and Raymond C. Baxter have been announced by Solvay Process Division of Allied Chemical & Dye Corporation, New York. Mr. Dugan has been named senior assistant plant manager of the chlorine-caustic soda chlorinated methane operations at Solvay's Moundsville, W. Va., plant. Appointed assistant chief engineer of Solvay Process Division, Mr. Baxter succeeds Mr. Dugan.

Mr. Dugan was first employed by Solvay as a senior engineer in 1946. He was appointed principal engineer in 1951 and assistant chief engineer in 1953. Mr. Baxter began working for Solvay in 1941 while a student and became a junior engineer at Syracuse, N.Y., in 1946. He has since held the positions of senior engineer and principal engineer.



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Dealing with Toxic Emergencies

A condition somewhat confusingly controversial has existed in the drug trade for several months by reason of a movement to add a section on toxicology and toxicidal therapy to the National Formulary. The objective of the movement has been stated to be the providing of information "mainly for use by the pharmacist who may be called upon to furnish advice concerning emergency treatment of toxic symptoms that may be caused from the misuse of household chemicals and preparations such as bleaching agents, insecticides, rodenticides, and from overdosage of drugs which, if properly used, are quite innocuous."

That purpose is a commendable one; it is directed toward a desirable and somewhat necessary development in health service for the public. The attending controversy seems to arise from differences of opinion on how that purpose should be approached. Certainly, if the objective is to be attained, it should be completely covered in every respect. Such a degree of attainment involves several problems which are not simple ones.

One of those problems concerns what and when is an overdose of a drug. Because that is largely a matter of age and size and physical conditions and idiosyncrasies, including allergies, there can be no definite, universally applicable specification.

Another problem has to do with the extent to which a pharmacist may be permitted under medical practice regulations to go in the direction of even suggesting an antidote, to say nothing of supplying and administering it. There is a need that he should have considerable permission in that connection; but, does he?

How far the proposed NF innovation would go toward informing the pharmacist in the performance of emergency toxicidal services is not wholly clear from the data available. It is obvious that he would have to know more about first aid than most pharmacists do. He would also have to have some equipment—a stomach pump, for example—and know how to use it.

It would be good that the pharmacist were qualified to deal with toxic emergencies, at least until a physician could be got—something that is not always speedily accomplished. His most expeditious reference would be a card file, rather than a section of a book with a far different primary purpose. The preparation of such a card system should be a cooperative undertaking of toxicologists, physicians, pharmacists, drug manufacturers, and manufacturers of all kinds of household, stable, garage, agricultural, pesticidal, and other preparations, including cosmetics, which contain any ingredient that will have a toxic action under any condition or circumstance.

Another thing that such an undertaking should encompass is proper labeling and packaging of potentially toxic products. Certainly something should be done to put an end to the reporting in a news item on a poisoning fatality that administration of antidotes as instructed on the label was not effective. Some good was done a number of years ago by way of the adoption of distinctive containers for certain poisons of common household use; more can be done in that direction. But, the real job is one of educating the public, especially with reference to keeping all drug and chemical preparations positively out of the reach of children at all times.

Where We Go Depends on Us

Having done no worse than usual in their foreseeing of the recent election, the "figgerouters" are now pointing to all the 360 degrees around the national horizon in a vigorous undertaking to interpret the results of the election in terms of political, social, and commercial trends. One must commend them for their persistance; whatever he may think of their performance. Business will be the better off to the extent to which it pays no more than passing attention to their predictions, proposals, and promises, their suppositions and suggestions, and attends to its own affairs as it well knows how — and does what it well can do to convince government that the latter has fully enough to do in the job of governing.

There is going to be a great deal of political haggling over the retiring of government from the role of serviceman and sticking more closely to its fundamental responsibility of being the servant of the people—there is a vast difference. The howling about "give-aways" will become louder as private enterprise is permitted to take over the service-man role, whatever may be the invitation and encouragement by government in that connection. But, one thing should be kept prominently in the mind of business—the condemnation will not be directed so much against what is done as against the manner of its doing. A clear lesson to that effect can be drawn already from proceeding investigations of transactions in such areas.

In all its relations with government, business should be guided primarily by fully adequate consideration for public reactions, even though they can be expected to be directed toward government. Their indirect effect on business can be quite detrimental. That consideration demands willingness to be properly informed on all aspects of public reactions, a subject on which much research has been and is being conducted—but in a much too narrow field.

One thing that has puzzled the prophets is the response of Wall Street to the election:—"Stocks Make Biggest Gain in 15 Years on Election" (November 4 newspaper headline); "Market at 25-Year High, Volume Tops 3 Million" (November 5 headline). The tellers of trends are wondering what relation there was between that reaction and the growing obviousness of the differing views of business executives and investment specialists on the value and stability of the economic situation.

The "guesstimators" are pondering also what effect there might have been on the speculative sentiment by the news a few days earlier that the army and the navy had announced intentions to place orders for a billion dollars' worth of equipment. There was also about the same time an announcement by the Department of Commerce that the receipt of new orders by manufacturers had reached the highest number since the slipoff some fifteen months earlier.

The biggest bewilderment of the "prestatisticators" came out of the failure of the "farm revolution" to materialize. They are still trying to figure out what happened to the effects they had laid to the softening of the price-support scheme. They do not appear to be able to realize that the farmers with some exceptions in the cow-products segment, have been gradually regaining their once prominently characteristic self-reliance. The very best thing that business can do for itself is follow their example. If private enterprise is to be free, it must be independent.

Coalition and Cooperation

There can be no question that the development of the A-power of greatest benefit to this country and its people should be by fusion, not by fission. The "A" in that sentence stands for "American"; the desirability of fusion, rather than fission, is in the process of federal government.

There is good reason to believe that President Eisenhower will be successful in his purpose to have coalition and cooperation prevail in the functioning of the executive-legislative team. It is clear that the teamwork can now be much more accurately designated as bipartisan than has been possible under the not better than sesquipartisan set-up of recent years. It would be still better in many respects in policy-making, especially in the foreign aspects, if such functioning could be non-partisan so as to avoid the partisan competition for credit. A properly constructed and directed, actually bipartisan, set-up can do much that is needed. There is no reason why it should not be available; the "makin's" are there; so is the purpose. The willingness should be—and that is something which business leaders should promote with all those in government positions with whom they have acquaintance and contact.

It should be clear to the impartial observer that many of the results of the recent election were based on personalities more than on parties. The influence of the independent voter was strong on both sides. That strength will continue to grow. It should have a good, as well as a strong, influence on legislative and administrative operations. Because the independent voter is also an independent thinker, little can be gained partisanly by playing up to some sort of concept of him.

One thing is certain: a well fused and united America will be able to play its part in world affairs in all their economic aspects—political, social, and commercial. There is a big job to be done there. Its doing must involve realizations of many things which do not fit into yesterday's concepts of those three economic aspects. Yesterday's world is no more in any of those respects; so, there must be readjustment in all. Some of the commercial readjustments will not have easy going, largely because their consequences have not been accurately appraised. They face business management with a number of new problems, the satisfactory solution of which calls for coalition and cooperation more than it does for out-and-out competition, with, quite obviously, a demand that the laws having to do with such things must likewise be modernized.

Washington Talks It Over

By Ralph L. Cherry
Chief, OPD Washington Bureau

The chemical industry can now look hopefully for a lessening of some of the demands placed upon it by the government in the form of reports and inquiries which take so much time to complete. The Hoover commission is looking into this matter, which promises to reduce the volume of reporting called for from the industry.

The paperwork burden placed upon industry management by the many agencies of the government is one of the principal lines of inquiry being conducted by the Hoover commission in its search for ways and means of increasing government efficiency at a reduced cost to the taxpayer. A special task force has been going into the matter for some months with the assistance of special groups from each of the industries chiefly concerned. The chemical industry has a group of nine qualified executives at work on the problem.

It is estimated that there are some 5,000 or more report forms which industry submits to the different agencies of the government at various times of the year. These include such things as inventory reports to the Defense department, financial reports to FTC and SEC, tax reports, social security reports, production reports, shipping reports, sales reports, etc. etc. etc. Many of them are useful; others are questionable. And others of very doubtful value, such as a requirement of the ICC that all accidents to motor carriers of as little as $100 be reported to the agency.

Paint Makers Eye Wheat Lands

The paint manufacturers have a keen interest in what the farmers will do with the wheat lands they take out of production next year. The question is:—Will they devote these idle lands to flaxseed, as they have done in the past, or use them for some other crop.

Farmers increased their plantings of flaxsed by 26 percent this year mainly on land taken out of wheat because of allotments. If plantings in 1955 are about the same as this year (allotments on wheat in 1955 will be 11 percent less than a year ago) and growing conditions are normal, the flaxseed crop would total about 50,000,000 bushels. A crop of this size would be about 15,000,000 or 20,000,000 bushels above probable commercial use at 1954 crop prices.

Price support for flaxseed can be set by the Secretary of Agriculture at from 0 to 90 percent of parity. Support for the 1954 crop was set at 70 percent of parity, $3.14 per bushel, farm basis. Present prices are around support. Price quotations for linseed oil in Europe (latest quotations are 7.5 cents per pound, c.i.f., Europe compared with 14.5 cents Minneapolis) suggests that world prices for flaxseed are substantially below the United States support for the 1954 crop.

Recovery From Plant Damage

The Department of Defense has published a guide to assist industrial management in analyzing its plants to expedite recovery from damage by fire, explosion, sabotage, or possible enemy attack. The publication is an "Industry Guide to Planning for the Restoration of Production." A copy should be on the desk of every plant manager.

Designed to assist in minimizing interruptions in the production of critical material in time of war, the guide assumes that advance planning to lessen damage and speed restoration of essential production can be as realistic as it is necessary.

The guide is based on a group of nearly sixty studies prepared for the Department of the Air Force by industrial concerns representing thirteen different industries, including the chemical industry. It assists in determining vulnerability of individual plants and recommends measures to limit damage and reduce the time required to resume necessary production.

Antimalarial Work Boosted

Antimalarial work in Latin America is to be given a big boost forward by the Pan American Sanitary Bureau, as a result of the fourteenth Pan American Sanitary Conference that ended its meetings in Santiago, Chile, last month. Member countries are worried that unless proper action is taken soon, they will face even greater problems of control later.

The decision of the conference was that it is of "the utmost urgency" that PASB "promote the intensification and coordination of antimalarial work, with a view to achieving the eradication of this disease in the western hemisphere; and that member governments should convert all control programs into eradication campaigns within the shortest possible time, so as to achieve eradication before the appearance of anopheline resistance to insecticides."

The conference supported its decision by authorizing the director to devote up to $100,000 of any surplus PASB funds at the end of this year for intensification of the bureau's antimalarial activities aimed at eradicating the disease. The executive committee was also instructed to increase the proposed 1956 PASB budget by $100,000 for the antimalaria projects.

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Heavy Chemicals

Straits tin declined 2 cents per pound and tin salts from 0.9 cents to 1.2 cents per pound last week. Mercury was reduced $10 per flask.

Aside from the continued softening of the tin market, which also affects tin salts other than the oxide, together with a softer mercury market, price patterns in heavy chemicals remained unchanged last week.

In both the tin and the mercury markets, it could be said that a state of demoralization existed because buyers refused to purchase on the declining market. There was a difference, however, in the nature of the markets. Tin straits had fallen below a level which most observers thought was the bottom. Low and unsettled tin prices were felt likely to continue until such time as the complete signing of the International Tin Agreement is accomplished, which should lend stability to the market. In mercury, however, foreign control maintained the item at abnormally high prices and trading was at a standstill because of buyer resistance to high prices.

Saltcake was tight, and expected to remain so. Demand was on the increase against an economic situation in which by-product saltcake was not likely to increase with the demand. Over the long pull, saltcake supplies were expected to get worse instead of better, and the necessity of eventually having to convert process operations to higher cost forms of sodium sulfate was becoming more plain to consuming industries.

The acids moved well under a sustained demand from consuming industries. Sulfuric experienced a steady increase of buying interest from certain quarters such as steel. Nitric acid was in a well balanced supply and demand position, while hydrochloric was moving good in most quarters but was found to be long in local spots due to competitive influences from by-product production.

Caustic soda was reported to be moving steadily at good volume in the liquid form, but lack of interest in the export market and insufficient interest domestically tended to make the dry forms a bit long in certain quarters. Soda ash business was said to be good, and supplies in a comfortable position. Alkali demand was running some fifteen percent under last year, and in some quarters the feeling was expressed that the figure might be more nearly twenty percent.

The American Paper and Pulp Association reported paper production for the week ended November 6 amounted to 94.4 percent of theoretical capacity, compared with the revised figure of 97.2 percent for the previous week, and 95.3 percent for the corresponding week of last year.

Acid, Hydrochloric—Demand was considered good, but running behind current production levels. Some quarters were in a relatively good balance, but others were in quite long supply. Price levels held firmly to established schedules. There were reports of isolated spots when the competitive pressure of by-product acid was such as to have induced slight local shading. This activity, however, was not regarded as being of sufficient consequence to adversely affect present selling price lists.

Acid, Nitric—Higher price levels having been established some weeks ago on this acid which had not been advanced in price in many years, was expected to maintain the new price level very firmly for an extended period of time. Meanwhile, demand has been active and well sustained at levels sufficient to take production output steadily without any excess accumulation of inventories.

Acid Sulfuric—This market was described as in good balance. Supplies were comfortable but not excessive. Recent weeks have seen a slow, but steady and healthy advance in the requirements of some of the major acid consuming industries. Price levels were firm and unchanged.

Calcium Chloride—Reports from all producing quarters indicated that buying interest has been definitely, but not spectacularly, stimulated by the onset of cold weather. Supplies were abundant for prompt shipment, and buyers being aware of this, were not anticipating their needs very far in advance. Accordingly, the calcium chloride business had excellent prospects of getting continuously better as Winter approaches, and some heavy buying spurts were felt likely. All the various physical forms of this material were moving under a firm price structure, unlikely to see any change for the balance of the year. Ice control, of course is the major Winter time end-use for calcium chloride.

Calcium Hypochlorite—Business was slow in this item, being seasonally off during the cold weather. Demand is better during the Summer months when its use in swimming pools and similar Summer outlets tends to stimulate trade. Prices remained unchanged.

Chlorine—Those producers of chlorine who enjoyed a considerable volume of captive use, or who were in the unique position of being located adjacent to large consuming customers' plants supplying chlorine on essentially a pipeline basis, were able to report that in their case, production was moving well. However, nation-wide, the chlorine market could not be accurately described as anything else but long. The "long" nature of the market was not so much a matter of any less demand this year than last, but was more directly the result of greatly expanded production facilities, giving the nation a chlorine capacity that might be be greater than needed for the next few years. Hence, full utilization of current production facilities was not expected to soon be accomplished.

Within the realm of normal consumption patterns over recent years, there is always the usual fluctuation in demand at various periods, depending upon such factors as how much chlorinated organics are being produced, and the market situation on insecticides. Currently, these were going reasonably well, with more particular emphasis on organic intermediates.

From a price standpoint, it was felt that the current long supply was not likely to induce any change from established schedules, and that these would prevail for the balance of the year.

Magnesium Carbonate—Price schedules initiated in some sections of the industry some weeks ago were effective on contract this week, so that the overall pattern of prices on technical carbonate stood at 10½c. per pound in carlot quantities, 11c. in truckload quantities, and 12c. per pound in less than carload truckloads. Lots of less than 500 pounds were quoted at 13c. per pound. These prices were for material packaged in 50 pound paper bags, and with freight equalized at producing points in the country.

Saltcake—The price advantage of this material as compared with manufactured sodium sulfate kept it in strong demand against what might be regarded as a dwindling position. This item was perhaps in a tighter supply position than any other of the heavy chemicals. Its price advantage is inherent in its being a by-product, but unfortunately it is a by-product of industrial processes which are not on the increase, nor likely to be increased, as time goes on.

Under these circumstances, increased saltcake demand from such consumers as the glass and paper industries, was likely to keep saltcake in a constant short supply. Industry sources felt that over the long haul of several years, the situation was likely to become so critical due to less by-product material being available, that consumption patterns would have to shift in the direction of more expensive

Price Trends

Advanced

None

Reduced

Mercury, $10 per flask.
Potassium stannate, 0.9c. per lb.
Sodium stannate, 0.9c. per lb.
Stannic chloride, 0.9c. per lb.
Stannous chloride, anhyd., 1.2c. per lb.
hydrous (crystals), 0.9c. per lb.
sulfate, 1.2c. per lb.
Tin, Straits, 2c. per lb.

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	Nov. 13, 1953
98.29	98.54	98.54	98.22

(For Current Prices see page 9)

Bill Tufts, who conducted this column for many years, passed away last week. An obituary story will be found on page 5.

For Late Market Developments, See Page 4

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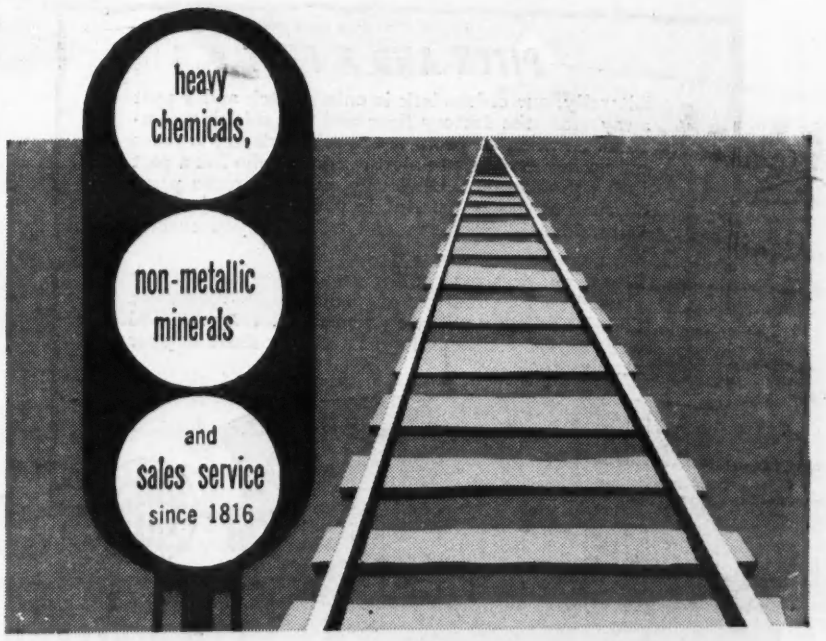

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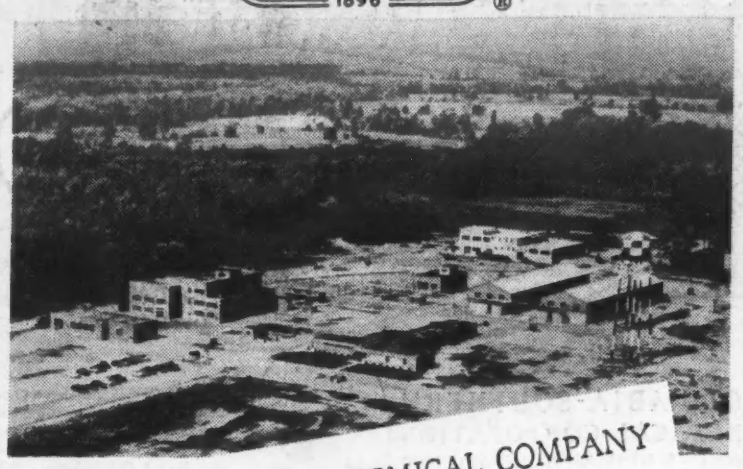

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sodium sulfate. Meanwhile, saltcake prices held firm at $24 to $26 per ton on a 100% basis, despite the distinct sellers' market.

Soda Ash—The overall supply position of this item was one of quite adequate availability, and business volume was described as generally good. Demand for the balance of the quarter was expected to be well sustained. Industry-wide, the market was felt to be in fairly balanced condition and considered comfortable. Some suppliers were a bit longer on supplies than others, none were tight, and most were moving production promptly into consuming channels.

Price patterns established some months ago were expected to hold for the balance of the year, and beyond, unless cost patterns changed more than expected.

Soda, Caustic—Consumer demand was described as good for caustic, particularly the liquids. Supplies were adequate, some producers being a bit longer on supply than others. Business volume in the dry caustic form was described in certain quarters as fair, contrasted with a good liquid demand, and this was due in part to a lack of demand from export markets. However, domestic demand was also off a bit and could not be described as strong.

The highly diversified nature of the end-use pattern on caustic, tended toward considerable stability in the market, and while demand was running about fifteen percent or more under last year, it was still regarded as fairly good.

Tin Chemicals—As a result of price declines in Straits tin, potassium and sodium stannates were reduced 0.9c. per pound last week. Tin oxide was as yet unaffected, but a downward price adjustment was considered imminent. Anhydrous stannous chloride was reduced 1.2 cents per pound, stannic chloride 0.9c., and other salts in proportion.

Nonferrous Metals

Aluminum—The third quarter of this year saw the aluminum industry register another all-time high production rate, according to the Aluminum Association. Total third quarter production amounted to 743,581,012 pounds. For the first nine months of this year aluminum primary production amounted to 2,174,378,648 pounds, only some 300,000,000 pounds under the entire output of last year, which stood at 2,504,029,277 pounds.

Copper—The so-called "new deal" on copper was still a hot government issue in Chile. The Chamber of Deputies passed a measure which would force, within six months after the law goes into effect, all copper companies to organize themselves as Chilean corporations with headquarters in Chile, and the government control all import and export activities of these companies. The feeling expressed in Chile was that the Senate would not approve the measure, but would overhaul it to create a copper institute rather than a nationalistic monopoly corporation.

The domestic copper market was reported as good, with the 26,.500 tons released for sale by ODM having been virtually all disposed of, leaving some 2,500 tons yet to be distributed. As to the status of a second lot of 25,000 tons to be released, no accurate information was available.

Mercury—Prices per flask were in a high state of flux last week, but the overall pattern of price movements was definitely downward. At the end of last week prices varied between $320 and $325 per flask, depending upon seller and quantity. Actually in a mercury market characterized by such high price levels, there was extremely little trading because of buyer resistance to high prices.

Platinum—This market was not too active, and current price levels were in the range of $82 to $84 per ounce.

Tin—Pending the signature of various parliaments to the International Tin Agreement, the tin market was unsettled. The market domestically was demoralized and there was virtually no trading because prices were falling. Straits at New York were off 2c. per pound. Prices in Singapore and in London dropped.

Zinc—According to the American Zinc Institute, the very good deliveries made in October dropped the stocks at the plants of smelters by 23,400 tons, which was a considerably better business volume than most of the optimists in the industry anticipated. Such deliveries left stocks on hand at the end of the month of 152,137 tons, the lowest figure since the end of September of last year.

Another favorable aspect of the market was the fact that on the books of the smelters there were unfilled orders amounting to 51,559 tons, which was the largest backlog of orders since March of last year. During October, production of Prime Western was off a bit from September, but High Grade and Special High Grade production levels were up.

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Monsanto Picks Manager For New Mobay Installation

Monsanto Chemical Company, St. Louis, Mo., has named D. J. Miller plant manager of the Mobay Chemical Company plant now under construction near New Martinsville, W. Va., and has appointed H. L. Minckler to replace Mr. Miller as plant manager of the Avon, Cal., plant of the company's organic chemicals division. Mobay is owned jointly by Monsanto and Farbenfabriken Bayer, A. G., Leverkusen, Germany.

Mr. Miller joined Monsanto at its research department in Springfield, Mass., and later served there as a supervisor and operating superintendent. In 1950, he was named plant manager for the company's Long Beach, Cal., plant and in 1952 moved to the Avon plant. Mr. Minckler has been a general manufacturing superintendent at the plastics division's Springfield, Mass., plant. He joined Monsanto in 1941 as a chemist in the analytical laboratories at St. Louis. He became an operating supervisor with the plastics division in 1949 and has been with the division since that time, serving since 1950 as general manufacturing superintendent of the "Resinox," "Formalin," and "Santodex" processes.

Uranium Mining Entrance Announced by Vitro Corp.

Vitro Corporation of America, New York, has entered the field of uranium mining, according to an announcement made in Salt Lake City, Utah, last week by William B. Hall, general manager of Vitro Uranium Company, division of the corporation which operates a uranium ore processing mill.

Vitro has acquired an interest in fifty-seven uranium claims from the Sateco Mining Company in the Gas Hills area of Fremont County, Wyo., and has commenced exploration and drilling in preparation for mining of ore. Mr. Hall announced that Vitro Uranium has formed an ore and mining department under the direction of Jack O. Horton of Salt Lake City.

Brea Chemicals Appoints Dr. Yale Plant Pathologist

Dr. John W. Yale, jr., has been appointed plant pathologist for Brea Chemicals, Inc., subsidiary of Union Oil Company of California. With his headquarters at Union Oil's research center at Brea, Calif., Dr. Yale will conduct research to develop new products in the field of agricultural chemicals.

His initial project will be a study of western plant diseases and their prevention with products developed by the Brea research organization. Before joining Brea, Dr. Yale held the position of plant pathologist in the Los Angeles office of Mathieson Chemical Corporation.

Olin Mathieson Purchases Part of Marquardt Aircraft

Acquisition by Olin Mathieson Chemical Corporation, New York, through an arrangement with Laurance S. Rockefeller and associates, of a substantial interest in Marquardt Aircraft Company, Van Nuys, Calif., has been announced by Olin Mathieson and Marquardt. Mr. Rockefeller continues as one of the principal stockholders in Marquardt Aircraft, which is a leader in the development of supersonic ramjet engines for guided missles.

Potash Co. Names Appleton

Potash Company of America has appointed Shelton Appleton sales representative for Texas, Louisiana and a part of Arkansas. W. H. Appleton, southern sales manager, located in Atlanta, Ga., will continue to work closely with the new appointee. Shelton Appleton has had experience in the materials, mixed fertilizer and insecticide fields. He is at 105 Preston street, Shreveport, La.

Summers Shifts H. J. Miller

Summers Fertilizer Company, Baltimore, Md., has shifted Howard J. Miller, formerly assistant secretary, to its Kapco Division at McKeesport, Pa. Mr. Miller will be assistant to P. P. Rosette, divisional manager. Mr. Miller has been associated with Summers and its affiliated companies for the past eight years.

Houston Club Issues Directory

The Houston Chemical Club has issued a directory of its officers and members. The club, which was organized in 1948, is presided over by J. L. Pickens of Olin Mathieson Chemical Corporation. The directory contains a list of 1954-55 social and business functions of the group as well as a copy of the club's by-laws.

Naugatuck Names Dr. Coe Assistant to Vice-President

The Naugatuck Chemical Division of United States Rubber Company, New York, has named Dr. Wesley S. Coe assistant to John E. Caskey, vice-president and general manager. Dr. Coe will be replaced as assistant factory manager of the chemical and synthetic rubber plants operated by the division in Naugatuck, Conn., by Dr. J. N. Judy.

In his new post Dr. Coe will handle special assignments for the general manager and assistant general manager, and also be secretary to the division staff. Since joining the company in 1936 he has also been a research chemist, process development manager and chemical production superintendent. Dr. Judy, who joined U. S. Rubber in 1940, was formerly manager of process development for the Naugatuck Chemical Division.

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Smoke Density in Chicago Laid to City Law Violators

Sixty-five percent of the dense smoke over Chicago is produced by people operating in violation of the city ordinance. This was brought to light in a survey of dense smoke observations made during 1953 by Chicago smoke inspectors and reported last week at the Midwestern Air Pollution Prevention Association fall meeting in the Sherman hotel, Chicago.

The report was made by Edward G. Fochtman, research chemical engineer at Armour Research Foundation of Illinois Institute of Technology, which conducted the survey for the association. The survey, based on records furnished by the City of Chicago's Department of Air Pollution Control, concerned a random sample of 15,000 reports in the three densest categories.

Mr. Fochtman said 44 percent of the smoke reports showed violation of the city ordinance. Smoke is recorded in five densities, but the survey dealt only with the three highest. Number 3 density smoke is permitted for a limited period of time. But numbers 4 and 5, the heaviest densities, are outlawed by the city, Mr. Fochtman explained.

Mr. Fochtman underscored five areas in which "a minimum of effort would result in a maximum of smoke pollution reduction." These, he said, are:—Smoke violations; industrial heating plants; large oil burners; incinerators, especially open fires, and railroad roundhouses.

Synpro Selects 3 Agents

Synthetic Products Company, Cleveland, Ohio, has appointed new sales representatives in Canada, California and Florida. Selling Synpro's line of metallic stearates and vinyl heat and light stabilization in Canada will be Binney & Smith, Ltd., Toronto. H. L. M. Royal Company of Los Angeles also has been named, as has Palmer Supply Company of Florida.

Insecticide Data Offered by Emulsol

A new edition of the "Insecticide Formulators Manual" is now available as technical bulletin No. 42 upon request from Emulsol Corporation, 59 East Madison street, Chicago 3, Ill. Formulatilon suggestions for many of the newer pesticides as well as the established ones are given in addition to other emulsification data.

Oil Development Pact Signed By Pakistan and US Concern

The Government of Pakistan and the Standard-Vacuum Oil Company have signed an agreement for the search and development of petroleum in east and west Pakistan.

The agreement provides that the Pakistan government will assume a 25 percent participation and will invest up to $15,000,000. The government will share in ownership of any crude oil discovered, but Standard-Vacuum will purchase the government's share at its well-head value.

Standard-Vacuum will manage the operation, and, if commercial production results, will discuss with the government the erection of a refinery in Pakistan.

The areas to be explored, totaling 20,000 square miles, are in the Ganges River Delta region of east Pakistan and in the Indus River Valley of west Pakistan.

Picco Names District Mgr.

Pennsylvania Industrial Chemical Corporation, Clairton, Pa., has announced the appointment of W. C. Davis as Detroit, Mich., district manager. Mr. Davis previously had been assistant sales manager of surface coating sales for Monsanto Chemical Company, and prior to that had been associated with American Cyanamid Company. He will represent Picco in Kentucky, part of Indiana and the lower peninsula of Michigan.

Trade Briefs

Bemis Bro. Bag Company, St. Louis, Mo., has appointed S. M. Spencer assistant manager of the company's St. Louis plant and sales division.

American Chemical Society has given the California section award for 1954 to Norman R. Davidson, associate professor of chemistry at California Institute of Technology.

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Husky Oil Purchases Saskatchewan Refinery

Lawrence W. Lee, executive vice-president of Husky Oil & Refining Ltd., and John D. Boyd, president of Trans Empire Oils, Ltd., have announced the purchase by Husky of Trans Empire's Moose Jaw refinery in Satskatchewan. Mr. Boyd stated that his company is primarily interested in the production of crude oil, and is retiring from the refining field in order that all its efforts may be concentrated on a program of exploration and development on its extensive land holdings in Alberta, Saskatchewan and British Columbia.

The purchase of the Moose Jaw plant, following the recent acquisition of the Fort William refinery, brings to three the number of refineries now owned and operated by Husky, with a present total capacity of 12,500 barrels per day. Plans for the expansion of the Moose Jaw refinery from its present 2,000 barrels to 5,000 barrels of daily capacity will be implemented when Husky takes possession. Projected capacity of the three plants following completion of present plans will be 18,500 barrels per day.

Monsanto Names McIntyre Rubber Chemicals Manager

Monsanto Chemical Company, St. Louis, Mo., has named P. E. McIntyre manager of the rubber chemicals section in its development department and has issued a data report on physical and chemical properties of 1,2-dichloroethylene.

Mr. McIntyre will be located at Nitro, W. Va. He joined Monsanto as a member of the organic chemicals division's research department in 1951 and was transferred to the intermediate chemicals section of the division's development department in 1953. The report on the hydrogenated hydrocarbon, 1,2-dichloroethylene, lists uses, a bibliography of sources, and a section detailing toxicity and storage procedures. Copies are available from department SH at the plastic division of the company in Springfield, Mass.

William Tufts Dead at 76

—Continued from page 5

Cox Tufts; a daughter, Mrs. A. G. Kaplan; two sons, Hugh C. and William E. Tufts, jr., and two grandchildren.

Russell Boland

Russell Boland, for more than twenty years an advertising executive with Topics Publishing Company, New York, died November 5 in Bronxville, N. Y. He was forty-nine years of age.

Mr. Boland was eastern advertising manager of *Drug Trade News*, a field manager of *Drug Topics* and a member of the advertising staff of *Food Field Reporter*. Well known in the chemical and pharmaceutical industries, he was for many years editor of the *Chemical Peddler*, Christmas publication of the Salesmen's Association of the American Chemical Industry, and of the *DCAT Meow*, issued annually by the Drug Chemical and Allied Trades section of the New York Board of Trade.

Edward V. Killeen

Edward V. Killeen, former president of George Lueders & Co., New York, and a veteran in the essential oil industry, died November 10 in that city. He was eighty-three years old. Mr. Killeen entered the employ of Mr. Lueders as a stenographer in 1891. In 1895 a partnership was formed consisting of Mr. Lueders, Henry J. Heister and Ferdinand Weber. At about the same time, Mr. Killeen was promoted to assistant to Mr. Lueders.

The partnership was succeeded by a corporation in 1906 and Mr. Killeen was elected secretary. When Mr. Heister withdrew from the essential oil business in 1901, Mr. Killeen was assigned to his territory. For thirty-five years thereafter, Mr. Killeen traveled regularly for the company, covering the country from coast to coast. In 1916 Mr. Killeen was elected vice-president and in 1930 he was named president. He held the latter post for nine years, until he resigned as president and entered semi-retirement. From that time on, he served the company in an advisory capacity. Mr. Killeen was a founder of the Essential Oil Association of the United States in 1927.

Dr. Zachary A. Blier, research director of the Smith-Dorsey Division of Wander Company, Chicago, died recently in New York.

Ambrose G. Bricks, a chemist in Carteret, N. J., with United States Metals Refining Compny, New York, died November 10 in Elizabeth, N. J. He was fifty-six years old.

Albertus J. Edgar, traffic manager for Lederle Laboratories Division of American Cyanamid Company, died October 29. He was fifty-seven years old.

Horace R. Graham, former president of Anglo-Lautaro Nitrate Corporation, a Chilean concern, and a partner in the firm of Guggenheim Bros., developers of mines, died November 8 in New York. He was sixty-eight years old.

Dr. Joseph Hirschberger, a retired chemist for Consolidated Color & Chemical Company and Arkansas Company, both of Newark, N. J., died November 9 in South Orange, N. J. He was eighty-eight years old.

Frederick L. Murphy, manager since 1947 of government sales and medical exhibits for Lederle Laboratories Division of American Cyanamid Company died November 4 in Mamaroneck, N. Y. He was fifty-two years old.

Howard W. Peckham, a supervisor at the Kearney, N. J., plant of E. I. duPont de Nemours & Co., died November 3 in Kearney. He was fifty-four years old.

Carl F. Salzer, assistant to the vice-president and controller of Gulf Oil Corporation, Pittsburgh, Pa., died November 5 in that city.

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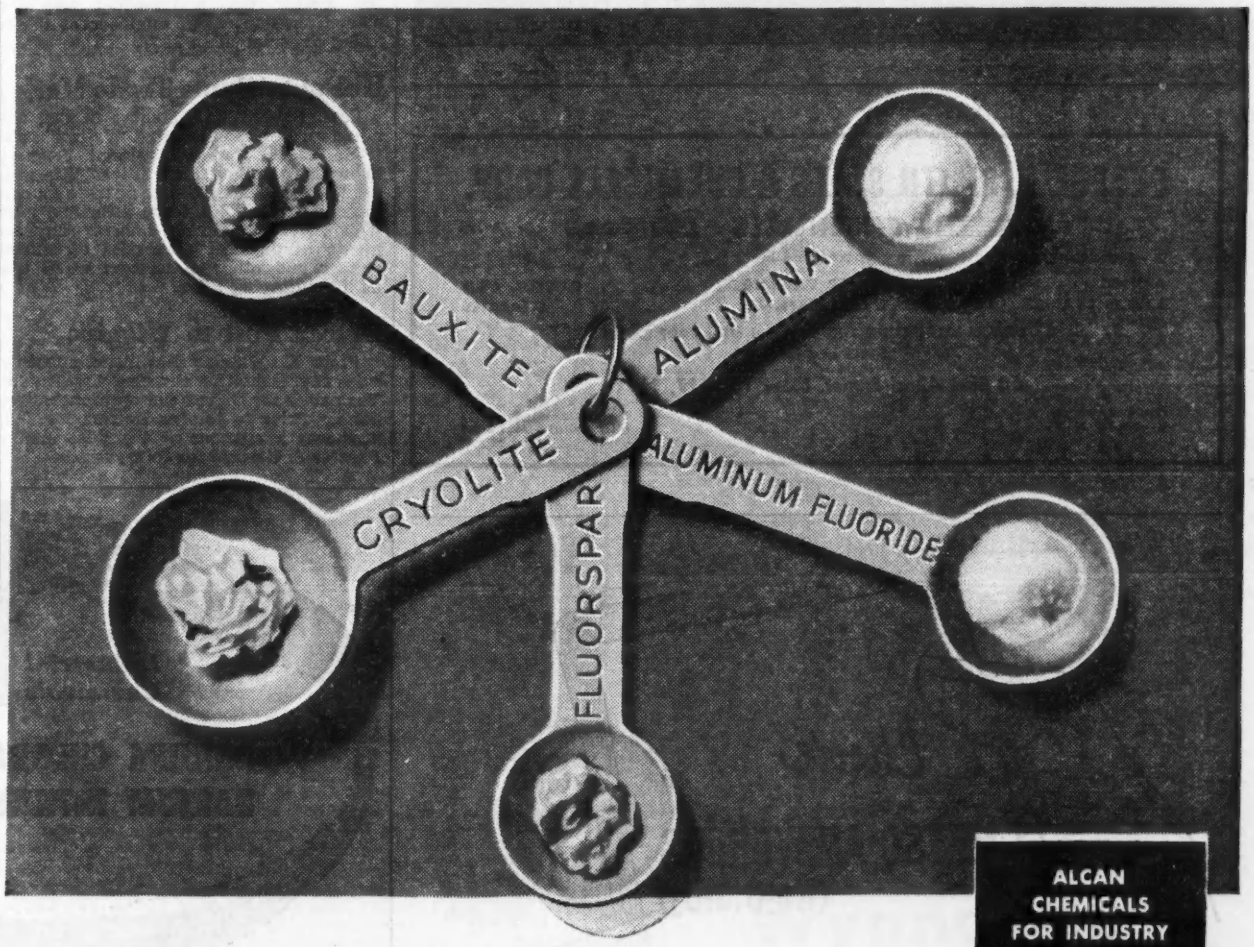

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Witco-Continental Names Two to Posts in Akron, Ohio

Witco Chemical Company, New York, has announced that two executive appointments have been made to the Witco-Continental office in Akron, Ohio. John H. Gifford has been made technical director of the carbon black division, while Robert B. Sucher has been appointed assistant sales manager of rubber chemical products promotion. Mr. Gifford formerly was associated with B. F. Goodrich Company. Prior to joining Witco Mr. Sucher was affiliated with Marbon Corporation and with the Inland Manufacturing Company.

Texas Co. Refining Dept. Appoints Chief Engineer

Recent appointments by Texas Company, New York, include the naming of H. B. Peters as chief engineer of the refining department to succeed D. W. Carswell, who has retired. In other promotions, Francis Horton and J. C. Neyland, jr., have been named to serve as assistant chief engineer. Mr. Peters joined the company in 1925 at the Port Arthur, Tex., refinery. He succeeded to several refining engineering assignments and was named assistant chief engineer of the refining department in 1937.

DuPont Adopts Trade Mark

E. I. duPont de Nemours & Co., Wilmington, Del., has adopted "Valron" as its trade mark for the estersil formerly known as "DuPont Fine Silica." The product is described by the company as a completely synthetic, surface esterified silica which, it is claimed, imparts improvements in physical properties of silicone rubber and other elastomers when used as a reinforcing filler.

Detrex Post to Wiggins

Platt K. Wiggins has been appointed sales representative covering western New York state for Detrex Corporation, Detroit, Mich. Prior to joining Detrex, Mr. Wiggins was a member of the sales staff of Procter & Gamble for four years.

Kellogg Research Director

Dr. Malcolm M. Renfrew has been named director of research and development of Spencer Kellogg & Sons, Inc., Buffalo, N. Y., succeeding Dr. Alexander Schwarcman, founder of the firm's research laboratories forty years ago. Dr. Renfrew for the last five years has been associated with General Mills, Inc., Minneapolis, Minn., as director of chemical research and development. Prior to his General Mills association, he spent eleven years with E. I. duPont de Nemours & Co., Wilmington, Del., where he served successively as supervisor of process development and supervisor of product development in the plastics department.

Wilbur-Ellis Names Allard

Wilbur-Ellis Company, Seattle, Wash., has announced the appointment of Robert Allard as manager of the agricultural department. The department will handle the fertilizer and insecticide business for Wilbur-Ellis in the Pacific northwest. Mr. Allard was formerly with Fresno Agricultural Chemical Company as manager of the insecticide department.

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Textile and Leather Chemicals

Movement of textile and leather chemicals into consuming channels was fair to good last week. Consumers still operated in a hand to mouth manner, but they were taking larger quantities for prompt delivery. Market tone remained steady, quotations were unchanged for the entire list.

Textile chemicals were in good request for delivery against current contracts. Sizing materials also moved steadily for immediate requirements. Potato starch was well held at unchanged prices at eastern and western producing centers. Business has been fairly active for prompt delivery, while inquiry for future needs continued slow. Demand for tapioca flour was fairly active for actual needs, chiefly for Siamese grades, although a fair tonnage of Brazilian flour was booked for forward delivery. Corn starch was in good demand for spot delivery. Sago flour was quiet.

Cotton crop estimate as of November 1 was higher, totaling 13,,206,000 bales, according to the Department of Agriculture, against October 1 estimate of 12,511,000 bales. Production in 1953 totaled 16,465,000 bales and 10 year (1943-53) average was 12,448,000 bales.

Fiber consumption on the woolen and worsted systems in September dropped 12 percent below August and 18 percent less than September last year, according to the Census Bureau. The weekly average wool consumption was 7,275,000 pounds (scoured basis), during September. The rate of consumption of carpet class wool was virtually unchanged from August, but fell 8 percent below September, 1953. Apparel class wool consumption declined 16 percent below August and 30 percent for September last year. Fibers consumption other than raw wool averaged 4,392,000 pounds, a decrease of 12 percent from August, but only 5 percent below September, 1953.

Mill consumption of apparel wool this year is likely to be the lowest in the past 15 years, according to the Department of Agriculture. During the January-August period of 1954, mill consumption was down almost a third, compared with the same period last year. However, the rate of consumption has improved gradually since the latter part of 1953, when it was unusually low, reflecting in part a reduction of inventories in manufacturing and distributing channels.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Nov. 13, 1953
94.56	94.56	94.56	98.70

(For Current Prices see page 9)

Chemicals

Bichromates—Steady volume of bichromates moved against contracts. Prices were unchanged and firm for all grades.

Sodium Hydrosulfite—Consumers absorbed a good volume for prompt requirements. Market was quotably unchanged and steady.

Sulfonated Oils—Consuming demand was moderate, chiefly for immediate delivery. All varieties were maintained at prevailing quotations.

Sizing Materials

Albumin Blood—There was no change in this market. Users absorbed fair sized lots for prompt delivery. Prices were maintained at 65c. to 80c. per pound, as to quantity. Stocks were adequate.

Corn Dextrin—Market was steady and quotably unchanged. Demand was fairly active for actual needs. Gum was quoted at $6.85 per 100 pounds, paper bags, carlots, New York delivery; canary $8.65, dark $8.70, and white $8.53, same basis. Less carlots were 15c. per 100 pounds more.

Corn Starch—Consumers continued to take sizable quantities for prompt delivery. Prices were maintained at former levels. Pearl was quoted at $7.14 per 100 pounds, paper bags, carlots, and powder, $7.26 per 100 pounds, New York basis. Smaller quantities were 15c. per 100 pounds higher. Visible corn supply increased 3,086,000 bushels to 20,396,000 bushels for the week ending November 5, compared with 26,897,000 bushels for the corresponding week last year, it was reported by the Chicago Board of Trade.

Egg Albumin—Fair volume of business was reported for prompt requirements. Market was steady at prevailing quotations. Flake was quoted at $1.27 to $1.29 per pound, and powder, $1.31 to $1.33 per pound, spot, depending upon quantity. Demand for technical was confined to actual needs. Prices ranged from 85c. to 87c. per pound, as to quantity.

Egg Yolk—Consuming demand was quite active for prompt requirements. Prices were maintained at $1.04 to $1.07 per pound, spot, according to quantity.

Potato Starch—Consuming inquiry was fairly active. Consumers continued to absorb good sized lots for prompt delivery. Market remained steady, at prevailing quotations. Shipments from Maine were maintained at 6½c. per pound, carlots, f.o.b. mills, though offers were not liberal. Idaho starch also was unchanged at 6¾c. per pound, carlots, mills, and ½c. for shipment to eastern destinations. Supplies on spot were maintained at 8¼c. to 8¾c. per pound, exwarehouse, according to quantity. Offers of foreign starch received little attention. Danish was available at 7.3c. per pound, carlots, exdock, duty paid and Dutch at 7⅞c., same basis.

Sago Flour—Trading continued spotty and restricted to actual needs. Stocks on spot were quotably unchanged. Raw was quoted at 6¾c. to 7c. per pound, and refined, 8½c. to 9c. per pound, exwarehouse, depending upon quantity. Replacements were quoted nominally at 5¾c. per pound, carlots, exdock, prompt shipment.

Tapioca Flour—Conditions in this market remained steady. Business was fairly active, chiefly for prompt needs. Interest in replacements was moderate for Siamese flour, while slow for Brazilian. Shipments of Siamese were maintained at 6½c. per pound, carlots, exdock. Brazilian was offered at 8½c. per pound, same basis. On spot Siamese was unchanged at 7c. to 7½c. per pound, and Brazilian, 9c. to 9½c., depending upon quantity.

Tanning Materials

Chestnut Extract—Consumers absorbed moderate lots for immediate delivery. All grades were maintained at current levels. Liquid 25 percent tannin was quoted at 4c. per pound, tankcars, f.o.b. works; 4¾c. per pound, barrels, carlots, and 5.10c. barrels, less carlots; powdered 60 percent tannin, 10.32c. per pound, bags, carlots, and 11.02c., bags, less carlots, same basis.

Cutch—Offers for shipment were light and closely held at 8½c. per pound, exdock. Buying interest continued fairly active.

Mangrove Bark—Trading was light, confined to nearby shipment. Shipments for all grades were quotably unchanged. African bark was quoted at $69 to $70 per ton, exdock; Equadorian, $55 per ton and Colombian, $58 per ton, same basis.

Myrobalans—Business lacked snap, as tanners continued to restrict demand to an occasional lot for prompt shipment. Offers for shipment were quite liberal at current quotations. JI's assorted were quoted at $47 per ton, exdock; ordinary, $42, and crushed JI's, $62.50 per ton, same basis. Solid extract, 55 percent tannin was nominal at 7¼c. per pound, exdock plus duty and 50 percent tannin was quoted at 7c. per pound, same basis.

Quebracho Extract—This market remained steady, despite light trading. Consumers continued to operate in a hand to mouth manner. Shipments were quotably unchanged. Solid ordinary guaranteed 63 percent tannin was held at 11 21/32c. per pound, exdock, plus duty, and clarified, 64 percent at 12 23/64c. per pound, same basis.

Valonia—Buying interest was reported quiet. Shipments were easy for all grades. Cups were nominal at $48 per ton, exdock, and beards at $63 to $64, same basis. Extract was quoted at 8½c. per pound, exdock, plus duty.

Wattle—Business continued spotty and limited to nearby shipment. Primary market remained steady for all grades. Fair average bark was quoted at $93 per ton, exdock, and merchantable at $94 per ton, same basis. East African extract, 60 percent tannin was offered at 9¾c. per pound, exdock, plus duty, while South African was held at 10c. per pound, same basis.

For Late Market Developments, See Page 4

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Industrial Organic Chemicals

There were no price changes effecting the index of this market last week. A move was made advancing refined fermentation amyl alcohol. But, all sources had not gone along, thus, creating a range in schedules. A similar situation existed for refined fusel oil, where an advance was also announced.

In the alcohol market, price differentials carried in the west coast over eastern prices were eliminated. Prices were now the same countrywide. Sales of alcohol were well sustained and the price structure was very firm. Acetone prices continued to hold at former quotations, despite scattered trade talk of shading. The bulk of acetone production moving in tankcars was selling at market prices, it was said by several sources.

Generally improved business has resulted in good call for most solvents. MEK and MIBK were moving very well to lacquer accounts. MIBC was unchanged and in a satisfactory position. Ethyl acetate continued to move at the same rate. Producers were selling what they made, but could handle more business. Isopropyl alcohol sold at a steady level.

Demand for the methylamines held steady. Producers said buying interest for ethanolamines held up surprisingly well. There wasn't much drop in demand after contract prices advanced last month and sales were following the general line of improved business. Nitroparaffins remained extremely short. Hexylene glycol continued to sell at a steady volume. There was a good replacement business in automotive brake fluids.

Glycerine enjoyed good demand. The call for refined grades was well sustained from all major consuming channels. Crude soaplye and saponification grades were in short supply. Oxalic acid showed a steady market. Sales of PE were fair and prices were firm. Propylene glycol sales held up better than was expected.

Acetone—For the most part, prices were holding up for this solvent. There was an occasional reoccurrence of shading reported. However, a good bit of this business has been passed off by many trade sources as government orders, reseller discounts and off-grade material. It was felt that the bulk of the tankcar business was being done at 8c. per pound.

Thus far the volume of material from cumene has not been as heavy as other producers had anticipated. But, there was a small amount of competition from this direction beginning to show on the fringes, a source said. A gradual improvement in the phenol market was felt to be influencing output increases of cumene derived phenol, and consequently, more byproduct acetone. Technical problems envolved with getting new plants into operation were felt to have been part of the picture in the past several months.

Despite influences of new production and consumer pressure for lower prices, there has not been much change in the acetone market for the past several months. Consumption volume was well sustained and no drastic change in the balance of the market was projected.

Acetone output in August amounted to 37,466,999 pounds, while July production was 41,959,376 pounds and August 1953 output was 44,888,202 pounds, according to Tariff Commission statistics.

Alcohol—The most significant news in the market for ethanol was the elimination of a price differential on the west coast. Producers indicated that buyers were able to obtain alcohol at the same price all over the country for the first time. West coast prices were posted 8c. per gallon above prices in effect in the east, prior to the removal of the differential. Trade sources emphasized that alcohol prices were very firm and demand was quite good.

Activity in the market was well sustained by many diverse consuming outlets. Solvent uses, chemical end-uses and pharmaceutials were all good. Consumption for cosmetic use was relatively high in the past month or more. However, the peak of the producing season there has passed, insofar as the approaching holidays are concerned.

Amyl Alcohol—Refined fermentation material ranging from 128° to 132°C. has been advanced 9c. per pound. Since all sources have not announced such a move, a range in quotations became effective. The range was from 34c. to 43c. per pound in l.c.l. quantities, while the ACS grade became 36c. to 45c. per pound in l.c.l. quantities. Supplies continued to be extremely tight due to the shortage of fusel oil.

Synthetic amyls have been moving quite well, particularly the mixed amyls and primary amyl. Demand for pentane derived materials was expanding as the use widened. No price revisions were reported for synthetic amyls.

Dimethylamine—Demand was holding up very well for this isomer and other methylamines. Buying interest has been steady at a level, much improved over the movement of most amines early this year. Production was about balanced with the call. Prices were firm and unaltered.

Ethyl Acetate—No changes in this market were noted. Producers continued to move what they were making. Demand from lacquers has been relatively steady. Prices were firm and unaltered.

Production of this ester in August was reported at 6,212,423 pounds (85 percent ethyl acetate), whereas July output totaled 5,376,454 pounds and August, 1953, production was 4,995,412 pounds, statistics from the Tariff Commission relate.

Ethylene Glycol—Output during August totaled 56,410,733 pounds, compared with 51,965,016 pounds produced in July, and 49,541,411 pounds turned out in August, 1953, according to the Tariff Commission.

Fusel Oil—Refined material advanced in schedules to a new level of 20c. per pound in tankcars, 22c. per pound in carlots and 23c. per pound in l.c.l. quantities. Some producers have not increased prices yet. Thus, a range was carried between former quotations and the new listings. The previous price started at 15c. per pound in tankcars, and went to 17½c. per pound in carlots and 18½c. per pound in less than carlots.

Shortages of fusel oil have made prices nominal in many instances. All suppliers indicated a very tight market. The reduction in fermentation operations has brought on the shortage of fusel oil and a tight supply for amyl alcohols and esters derived from the oil. No significant change in the supply was anticipated at this time.

Glycerine—A strong demand for refined grades was received from all directions. Consumption was good for synthetic resins, cellophane, explosives and pharmaceuticals. Price schedules for refined grades were firm at previous quotations. With current stocks at about 47,000,000 pounds, it was said, there was enough material available to fill requirements. But, some sources felt that stocks could be a little larger without throwing the market out of balance. A surge in buying could eat away present stocks rapidly, it was added. Steady production of synthetic glycerine has been a stabilizing influence in the market, not only pricewise. But, also because it helped to dispel fears of shortage.

Suppliers said that there were practically no crudes available. The volume of detergent output has cut domestic production of the soap industry. Hence, byproduct crude glycerine was not as readily available as it used to be. It was felt that the worldwide demand was beginning to taper off slightly. Three weeks ago material which could not be obtained for importation here, could now be bought at prices consistent with the domestic market. Sizable quantities have been purchased for future deliveries, but very little crude was around currently.

Hexylene Glycol—Producers related

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month
130.33	130.33	132.06

(For Current Prices see page 9)

This market reports on industrial aliphatic organic chemicals. Reports on industrial aromatic organics may be found in the Coal Chemicals market, while reports on fine and rare organic chemicals appear in the Drugs, Fine Chemicals, Botanicals market.

For Late Market Developments, See Page 4

that the market for this polyol has held steady. It was added that there was no appreciable loss after contract prices of glycols advanced early last month. There was also some added buying interest in line with generally improved business. Prices were firm at their new levels.

A good call was enjoyed by suppliers from brake fluid outlets. There was a substantial market for replacement fluids. A slight improvement was also noticed as new car production expanded. The replacement market was sufficient to keep hexylene glycol sales from being tied to new car production, it was said. Supplies were adequate to take care of consumer requirements.

Isopropyl Alcohol—Producers said this market was the same. Demand was fairly good for isopropyl. A slight increase in interest was felt as the ethanol market firmed up. However all sources did not feel that sales were as good as they might be. There was ample production to handle the demand.

Methyl Ethyl Ketone—A well sustained solvent demand has kept activity at a very satisfactory pace, producers said. In addition to demand improving with general business levels, a widening use of the ketons provided expansion for the market.

MEK was going to lacquer accounts, to the automotive and home appliance industries for finishing operations and to the furniture industry. No particular segment stood out as a stronger consuming area. Buying interest was good in all directions and was expected to remain firm for the rest of this quarter. Adequate supplies were readily available to accommodate incoming orders.

Methanol — Producers were moving a good volume of material between antifreeze uses and industrial outlets. The antifreeze business that was still around was refill activity where consumers found themselves short and were plugging up holes. Prices of methanol were on a firm basis at former levels

August production of synthetic material totaled 86,182,967 pounds, while July output was 91,199,944 pounds and August, 1953, production was 92,039,986 pounds, according to figures from the Tariff Commission.

Methyl Isobutyl Carbinol—No changes were seen in this market. Demand was moving production along at a satisfactory rate. Prices held firmly to previously established levels. Adequate supplies to take care of the call were readily available. It was felt that general solvent demand would sustain sales approximately at the same level.

Methyl Isobutyl Ketone—No price changes have been reported for the solvent, and none were anticipated. A good volume of material was moving right out to fill orders. Producers said that sales were at an excellent level. There was ample production capacity to take care of the demand.

Monoethanolamine — Producers indicated demand has held up exceptionally well for this amine. A substantial drop in activity was anticipated immediately after prices were advanced early last month. However, the decrease in interest was less than expected and demand has held up since that time. A little added business was enjoyed as a result of trucking strike threats, but producers stated that it was not a very big factor in the ethanolamines.

Nitroparaffins—Tight supplies persisted in the markets for these materials. Nitromethane, nitroethane and nitropropane have been short due to limited production facilities. No change in the situation was looked for prior to next year when a new plant is scheduled to come into operation.

Oxalic Acid—Demand for this acid has held up well, producers stated. There had been a surge in orders for radiator cleaning use prior to winter preparations by automobile owners. However most of that business has been taken care of already. Nevertheless, there was no appreciable drop in demand because of the diversified uses of oxalic acid, it was said. When the season for one use goes out, another comes along to take its place. Price schedules were firm at 16½c. per pound in carlots of barrels.

August production was 837,791 pounds, compared with July output of 1,368,894 pounds and August 1953 production of 1,942,799 pounds, according to the Tariff Commission.

Pentaerythritol — No price revisions have come about in this market. Producers were moving their production out to take care of a fair demand. However, activity was not as strong as some producers would like to see. Even though there was competition with other polyols, there were some end-uses based on PE that were not likely to change, it was said. There was ample material available to take care of all requirements.

August production of PE totaled 4,444,086 pounds, compared with July output of 4,885,144 pounds and August, 1953, production of 4,885,339 pounds, statistic from the Tariff Commission relate.

Propylene Glycol—Demand for this glycol was good, producers said. A number of trade sources felt that the buying pace has held up better than it was anticipated. There was a period of relatively heavy inventory buying prior to contract advances on October 1. After that time, demand would normally be expected to fall down. However, inquiries held up all through October and have been well sustained this month. The general expansion of business levels was given most of the credit for the unexpected strength. Adequate supplies to handle the call were available.

Production of propylene glycol in August amounted to 3,523,787 pounds, compared with 3,761,451 pounds in July and 5,785,399 pounds in August, 1953, according to figures from the Taiff Commission.

Trichloroethylene — August production totaled 22,562,710 pounds, compared with 25,365,197 pounds turned out in July and 28,307,526 pounds produced in August of last year, information from the Tariff Commission relates.

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Chemistry, Physics Gains Seen Big Medical Aids

Medical progress from medieval times—when the ill were trampled to drive out demons—to the present era of wonder drugs has been largely the result of achievements in chemistry and physics, a doctor of medicine told the American Chemical Society's 16th midwest regional meeting recently.

"A study of world history proves that directly or indirectly every material progress and comfort in human life is due greatly to the applications of chemical and physical discoveries," declared Dr. Stelios C. Samaras, associate professor of pathology at the Creighton University School of Medicine.

"Today, very few people know to whom they owe their relief from pain or disease," the speaker observed. Even doctors, when they receive credit and congratulations for a successful operation or medical cure of any serious disease, forget that the greatest part of that credit belongs to the research scientist, to the chemist or physicist. . . .

Dr. Samaras classified the contributions to medicine by chemists and physicists into specific discoveries and those having indirect benefit. Referring to the specific achievements, he noted, "The various synthetic drugs, narcotics and hypnotics are the fruits of chemical work and ingenuity. The sulfa drugs and penicillin now save arms and legs which formerly would have been amputated. Moreover, medicine has great support from the contributions of clinical chemistry," the speaker concluded.

Becton, Dickinson Offers To Buy Wilson Rubber Co.

Becton, Dickinson & Co., East Rutherford, N. J., has made an offer to purchase the outstanding stock of Wilson Rubber Company, Canton, Ohio, it has been announced by D. Wayne Johnson, vice-president. The transaction is expected to be completed and the transfer effected toward the end of the year. If Becton, Dickinson acquires control of Wilson Rubber it plans to retain the entire organization intact and will continue to operate the two plants in Canton, it was said.

Continental Can Purchases American Paper Goods Co.

Legal closing of the sale of American Paper Goods Company of Kensington, Conn., to Continental Can Company was announced November 12 by Lucius D. Clay, Continental's chairman of the board.

Continental's offer to purchase the assets and properties of American Paper Goods was approved by stockholders of the Kensington company last month. The two American plants at Chicago and Kensington, Conn., will be operated as a part of Continental's paper container division.

Nat'l Aniline Adds Salesman

William H. Poisson has been appointed New England states representative for fiber sales and service of the National Aniline Division of Allied Chemical & Dye Corporation, New York. Mr. Poisson will be responsible for New England sales and service of nylon to be produced at the company's Chesterfield plant, now nearing completion at Hopewell and Bermuda Hundred, Va.

Carbide Is Offering New Edition Of Its Organic Chemicals Booklet

The 1955 edition of the booklet, "Physical Properties of Synthetic Organic Chemicals," has been issued by Carbide & Carbon Chemicals Company, a division of Union Carbide and Carbon Corporation. In twenty-four pages, this edition presents the latest data on more than 350 organic chemicals. It features forty-six new products available from Carbide & Carbon.

The booklet is prepared annually as a guide for chemists, engineers, purchasing agents and laboratory workers. For easy reference, the chemicals are arranged by family groups with condensed application data. Physical properties are given in tabular form. An alphabetical index is included. Copies of this booklet (F-6136) are available without charge from Carbide & Carbon Chemicals Company, 30 East 42nd street, New York 17.

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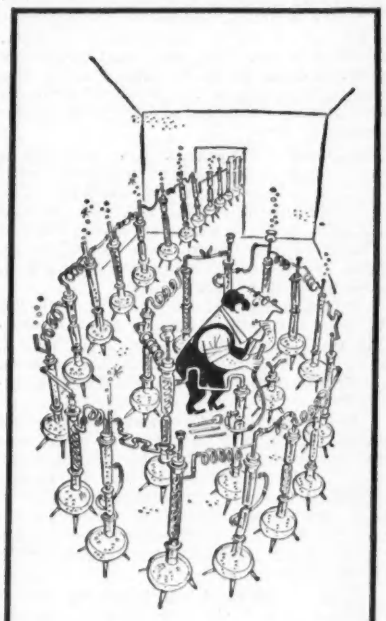

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Petroleum Derivatives

The petroleum derivatives market displayed a slightly better overall tone, due to greater willingness on the part of buyers to add to their inventories. This increased feeling of confidence was held to follow from the good overall industrial outlook and a feeling of optimism following the elections. A better than usual demand was noted for toluol, in slight contrast to its slower-moving position of the recent weeks. Supplies of this material, as well as other aromatics, were held to be good and quite capable of filling an added demand. Xylol also moved well to a stepped-up industrial demand. This market was also aided by a less cautious attitude on the part of purchasers.

The sales picture for partial aromatics produced no surprises over the week, with demand about holding its own but setting no new records. Prices exhibited a good undertone that has prevented any drop from quotations already in effect. Mineral spirits moved well to a good demand that included both regular and specially refined material. Sales of aliphatics were holding up quite well.

Microcrystalline and paraffin waxes were found to be in short supply in certain localized areas, but in general the market was in pretty good balance. Production moved directly into consumers hands. Export demand held to levels of recent months. Propane and butane prices remained unchanged in a market that continued to firm. Material was amply available in most areas, but supplies were rapidly declining in response to greatly increased seasonal purchasing activity.

Solvents and Diluents

Mineral Spirits—The sales picture for mineral spirits appeared reasonably good over the past week. Demand has held its own, and in some instances, picked up a bit. One manufacturer reported a good response to a stepped-up advertising campaign that stressed its odorless product. Inquiries following this campaign were reported to be heavy, demonstrating a good market potential. Production of both regular and specially refined material was adequate to take care of any upturn in market demand. Prices remained at former levels.

Partial Aromatics—Producers reported that not very much activity was noted in this market. Most observers in the industry felt that if sales at least continued at current levels the industry would be satisfied. Expecting an upturn at this time would be unrealistic, it was stated. Industrial consumers maintained a steady rate of demand over the past week. An increased feeling of confidence in industry in general following the arrival of the fall producing season and the outcome of the elections, has brightened the sales outlook a bit, according to some in the industry.

Toluol—Business was reported picking up over the past week. This increase in demand, although still slight, reversed the trend of recent weeks that saw sales of toluol lagging. Consumers appeared to be somewhat more willing to build up their inventories, it was stated. This added confidence in the market was believed to stem from the better overall tone in business, noted generally throughout the country, and to the upsurge of confidence following elections. Manufacturers' stocks of toluol were considered more than adequate for current demand and it was stated that it would take a considerable shift in buying volume before material would again become in tight supply. No price revisions were contemplated at the present, it was stated.

VM&P Naphtha—A slight pickup in sales was reported in some directions. Other makers stated that they had seen no alteration in the market trend of the past weeks, which featured a steady but uneventful pattern of sales. Consuming industries appeared in a healthy state, however, and an increase in overall demand was not ruled out.

Xylol—Material was reported moving a bit better over the past week by some in the industry. Demand for this aromatic has held up pretty well during the past months, and it was believed that any substantial pickup in demand would produce quite a firm market. Industrial consumers were found to be stepping up their requirements in a number of instances, and appeared less wary of building up inventories. Supplies were as yet believed to be quite ample for the market's needs, however. Prices were steady at previously established levels and showed no signs of wavering.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	Nov. 13, 1953
104.75	104.75	104.75	105.38

(For Current Prices see page 9)

Lighter Fractions

LPG's—Propane and butane prices remained unchanged over the past week, with material quoted at 8c. per gallon in the New York harbor area and at 3½c. per gallon in the Group 3 area. A good sales record was turned in by most producers and dealers over the past week, as consumer interest quickened. Seasonal influences were chiefly responsible for the stepup in buying activity. As yet, however, material was amply available in most areas. The greatest buying pressure was expected later in the winter, when heating requirements would have to be filled along with requirements not of a seasonal nature.

Waxes

Microcrystalline—Demand has continued quite good ever since the end of the summer lull, when sales perked up a good bit. Even the usually slow period during the third quarter of the year did not affect all manufacturers as much as usual, it was stated. Currently the market appeared in pretty good balance. There were reportedly some areas where material was a bit short but in general there was a sufficient output to take care of all consumer needs. Prices could be expected to remain steady for an indefinite period, according to sources in the industry.

Paraffin—Export demand was reported holding up quite well. At the same time, domestic consumers remained active in the market. Supplies were definitely not long, it was believed in the industry. Prices were steady, with the last general changes, those announced last December, now almost a year past.

Miscellaneous

Crude Oil—Daily average production of crude oil and lease condensate for the week ended October 29 was 6,152,750 barrels, of which 97,200 barrels were lease condensate mixed with crude oil losing its identity as such.

Los Angeles Petroleum Market

Los Angeles.—Moderate interest was maintained for propane with stocks reportedly ample. Postings were unchanged at 5.9c. per gallon, tankcars, f.o.b. Los Angeles. Butane continued to witness heavy demand with stocks definitely limited. Listings were firm at 6.9c. per gallon, tankcars, f.o.b. Los Angeles.

Solvents and diluents were relatively unchanged with demand at a good level and supplies adequate to meet requirements. Quotations were firm as follows:—Cleaning solvents, including Stoddard, quoted 19.4c. per gallon, 400 gallons or over, ex-tax, f.o.b. Los Angeles basin area. Lacquer diluents and light paint thinners quoted 20.4c. per gallon, same basis.

Heavy demand was maintained for high melting point paraffin waxes with stocks limited. Postings were firm and unchanged. 127/131 ASTM, slabs, loose, fully refined, f.o.b. refinery, San Francisco Bay area, quoted .0845 per pound. 140/147 ASTM, same basis, quoted .0775 per pound. 157/162 ASTM, same basis, quoted .693 per pound. All 10,000 pound minimum. Add .007 per pound for cartons.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended October 30 totaled 272,185,000 barrels, according to data reported to the Bureau of Mines. Compared with the total of 273,295,000 barrels for the preceding week, this represents a decrease of 1,110,000 barrels comprising a decrease of 151,000 barrels in stocks of domestic crude and a decrease of 959,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

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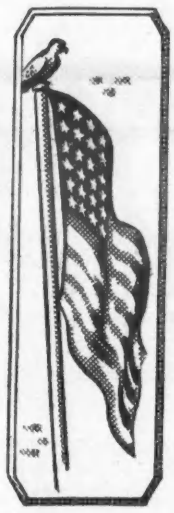

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Coal Chemicals

Prices were advanced for acetoacetanilide, acetoacet-o-chloroanilide and acetoacet-o-toluidide early last week. All producers had not moved on these arylids before press-time, hence, a range was carried.

No other price revisions were noted for coaltar products. Market positions were fairly well stabilized at the same position as prior weeks. The light oils were coming into better supply as steel operations picked up. Benzol, which had been a bit tight during the lowest producing periods was now beginning to move the other way. Demand was sustained, but surpluses are beginning to show. Toluol was in a comparable position, partly due to the advances in output and partly because of fewer exports. The trend was less noticeable for xylol because of the smaller volume and because demand was relatively good, too.

Tar acids were reflecting good business. There were no unwieldly surpluses of tar acids even though additional material was available even during lowered output because of the higher yields with slow coking times. Expanding demand in many directions kept cresols, cresylic acid and natural phenol moving well. Demand for imported ADF acid was quite good in October and some sources were finding it well sustained. The dock strike in England confused the scene temporarily for ADF material.

Naphthalene remained in a firm position, domestically and in the market for imports. Creosote was still slow. Phthalic held steady for some sources and was slightly improved for others. There was ample phthalic production available for the demand. p-Cresol sales were very brisk. Although aniline has improved in some quarters, there were still suppliers who looked at the market as a slow one. p-Phenyl phenol moved very well and was in adequate supply. a-Picoline was in tight supply. Tobias acid continued to move very well.

Steel operations during the week ending November 14 were scheduled to be at 77.2 percent of capacity, or an index of 114.7, according to the American Iron and Steel Institute. This was equivalent to 1,842,000 tons, compared with 1,822,000 tons the previous week, 1,735,000 tons one month ago and 2,081,000 tons one year ago.

Basic Products

Benzol—There was no drastic change in market conditions for this aromatic. The volume of movement to consuming channels continued to be high. However, increasing production becoming available as steel operations are stepped up was enough to show a little easiness in the supply situation. There was some unsold benzol around from time to time, whereas, several months ago the limited production of summer frequently put coaltar suppliers in a tight supply. Large surpluses have not developed, but, the market was considered easier than it had been several weeks ago. Price schedules were firm and unchanged at the general 40c. per gallon price. No revisions were currently anticipated.

Creosote—No significant changes in this market were evident last week. Activity was still a bit slow due to weak buying from the railroads. A fair volume continued to move to creosoting plants for treatment of cross-ties. But, orders were limited to immediate needs of maintenance programs. Low freight earnings by the railroads have held the volume down. No real pickup was anticipated for creosote until some improvement is noted in the financial status of the railroads, it was said. Low coking operations during the year have helped to keep stocks from growing too bulky. Prices held firm at previous levels.

Cresols—A good level of orders was maintained for tar acid fractions. Trade sources revealed that there has been an increase in overall demand, and in some instances it has resulted in exceptionally good sales. More carbolates have been recovered in coking operations this year, it was said, partly because of the length of coking time and differences in the yields. The selling of this additional tar acid even resulted in a couple of record months for some suppliers.

The well sustained demand from cresylic resins, tricresyl phosphate and wire enamels has been responsible for holding the market pace up to a good level. Resin business improved after summer slowness was gotten out of the way and has shown continual expansion. Price schedules were very firm at previous quotations.

Cresylic Acid—Domestic suppliers indicated that there has been a noticeable improvement in demand for these tar acids. Sales to cresylic resins, tricresyl phosphate, wire enamels and engine cleaners have been good enough to move a high volume of output along. The longer coking times accompanying the reduced operating rates during the past year also resulted in higher tar acid yields, it was said. Hence, being able to move that volume of material without a substantial buildup of stocks strengthened the market picture.

Imported ADF acid continued to move relatively well. October sales were especially good, compared with other months. A number of people in the trade felt the market was still expanding. Some sources indicated that November sales, thus far, have not been quite as strong as the previous month.

In general, it was felt that business was expanding and cresylic acid demand was keeping pace with the expansion. A source stated that all consumers claimed that their added interest in ADF material was due to the fact that they were receiving more orders themselves. However, some of the demand was also considered to have been hedging to protect consumers against the dock strike in England.

Naphthalene—There have been no significant changes in the market for domestic crude material. Producers moved a steady volume for phthalic anhydride production and for output of naphthalene derived intermediates. Cokeoven production has not substantially improved the amount of domestic naphthalene even though the steel rate has been picking up. This was partly because of the amount of coke available was sufficient to handle some of the increase without a parallel

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	Nov. 13, 1953
114.56	114.56	114.56	114.59

(For Current Prices see page 9)

Cokeoven Output: September

Following are cokeoven production statistics comparing the months of September 1954, and September 1953. Figures for the running total include output from January through September of both years. Data originate from a report to the Bureau of Mines by cokeoven operators and do not indicate production from any other source.

	September 1954	September 1953	Calendar year to date 1954	Calendar year to date 1953
*Benzol:—				
Specification and industrial grades (excluding motor)	10,347,431	13,739,500	102,099,889	132,834,200
*Creosote oil	2,619,196	3,655,000	24,496,431	29,440,500
*Crude chemical oil	2,571,271	1,804,600	18,552,230	18,747,700
*Crude coaltar	55,136,882	68,495,000	523,738,716	624,051,700
Distilled or topped	17,434,590	19,902,800	167,307,147	193,245,900
Burned as fuel	10,107,168	11,774,600	95,318,706	91,810,000
Used otherwise	104,944	241,900	1,231,657	2,061,000
†Naphthalene (crude); solidifying below 79°C	9,237,259	9,125,800	70,293,116	83,517,400
Pyridine (tar bases):—				
*Crude, dry basis	21,608	36,700	191,575	439,700
†Refined, 2°				
*Solvent Naphtha:—	72,924	154,300	426,782	1,190,400
Crude heavy solvent	491,112	561,600	4,246,179	4,385,000
Refined light solvent				
*Toluol:—	34,293	39,100	192,735	218,900
All grades, including nitration and industrial	2,750,298	2,894,500	24,582,364	26,721,800
*Xylol: All grades	833,461	809,200	7,337,943	7,398,800

*Gallons. †Pounds.

For Late Market Developments, See Page 4

advance in coking operations. There was no severe naphthalene shortage, but, there was no surplus material either. Domestic prices held firmly at old levels.

Importers related that there had not been much variation for hot-pressed crudes. Prices were quite firm. Offerings above 5c. per pound were frequently heard. However, it was said that there was not much business being done above that figure.

Phenol — Producers of synthetic material reported no important changes in the market, either up or down. It was said that a fair volume of material was moving to resins and adhesives. There were ample supplies for demand. And prices were firm at current levels. It was said that the improvement in general tar acid demand has been felt in activity for natural phenol too. Technical grades also remained firm in price, and in adequate supply.

Toluol—Prices have been maintained without any show of weakness. Consumers were finding ample toluol on the market for all of their needs. The greater availability currently seen was largely from higher producing rates. More coaltar light oil was being recovered as steel operations picked up over past weeks. Reduced exports were also said to be part of the answer to the easier tone found in the present market.

Xylol—This solvent was less affected by the increases in production of past weeks, primarily because it is a smaller volume material than either benzol or toluol. However, there was a fairly well sustained demand for xylol too. Quotations held steady at previous levels. Supplies were generally adequate to take care of consumption needs of industrial users.

Intermediates

Acetocetanilide—Prices were advanced 5c. effective November 8. The new carlot price became 80c. per pound, while l.c.l. quantities were 81c. per pound. Since all sources had not reported a change by press-time, a range was carried between the new prices and the old 75c. carlot schedule.

Acetoacet-o-chloroanilide — An advance of 8c. per pound created a range in schedules early last week. Carlots of fiber drums were from $1.27 to $1.35, while less than carlots were $1.28 to $1.36. The outside price became effective November 8.

Acetoacet-o-toluidide—Prices advanced 4c. to 82c. per pound in carlots on the outside of the range. The advance early last week also made l.c.l. quantities range from 79c. (old price) to 83c. per pound. All producers had not moved by press-time.

Aniline—Production capacity was adequate to take care consumer's needs. A slight improvement in demand has been noted by some producers. On the other hand, there were suppliers who felt the market was still slow. Where there has been any pickup seen, it was attributed to a general gain from the rubber industry and from textiles. Price schedules remained firm at previously established levels.

p-Cresol—Trade sources indicated that there has been a very active demand for this isomer. Production has been speeded up to meet the calls for para, it was said. Currently, there were no unusual delays in deliveries. No drastic shortages were expected. Price schedules held firm at former levels. Carlot quotations were a 49c. per pound, and l.c.l. quantities were 50c. per pound.

p-Phenyl Phenol—Demand for resins derived from this substituted phenol has been very good. Producers said that output was moving right out to fill orders. Supplies were satisfactory to handle the call. No shortages were anticipated. Prices held steady at former listings.

Phthalic Anhydride — Consumption of phthalic was well maintained. Demand from alkyd resins and plasticizers was strong enough to hold the market in its present position. Whereas the supply position for individual producers varies, the overall picture was one of ample stocks for current needs. A number of suppliers said that they were moving their production out to fill orders just about as fast as they made it. There were other sources with larger capacities that had material readily available. Some trade sources also saw a little increase in use in recent weeks, while other reported no appreciable change. Quotations were unchanged at 19½c. per pound in tankcars, and 20c. per pound in carlots of bags.

a-Picoline—Producers indicated that the market for this tar base was getting tighter. Output was not up to former levels due to lowered operating rates during the year. Most of the material appeared to be going in the direction of vinyl pyridine, whereas supplies for other uses were not sufficient to the call. Prices were firm at former quotations.

Tobias Acid—Demand for this intermediate has remained very high. Producers reported a pickup after the slow summer period and orders have been well sustained since. So far, production was sufficient to take care of the volume of orders. It was felt that supplies were good enough to continue to handle demand without any shortages developing. Prices were firm and unchanged.

Production Estimate

Estimated output of coal chemicals recovered from cokeoven operations during the week ending November 14, was as follows:—

Ammonia liquid, NH_4	lbs.	860,650
Ammonium sulfate	lbs.	31,106,350
Benzol	gals.	2,975,390
Coaltar	gals.	13,647,450
Creosote oil	gals.	762,290
Naphthalene, crude	lbs.	2,102,445
Pyridine, refined	lbs.	22,131
Toluol	gals.	585,242
Xylol	gals.	156,147

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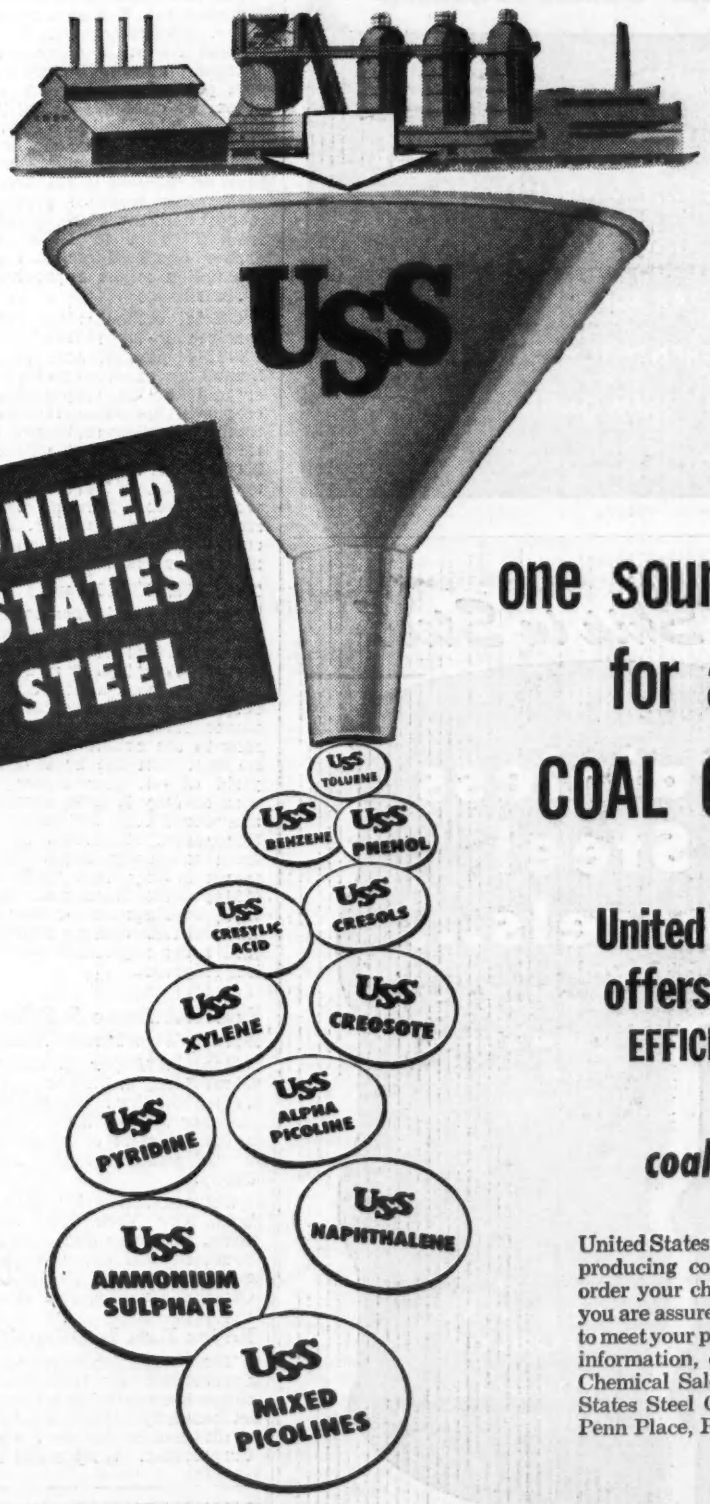

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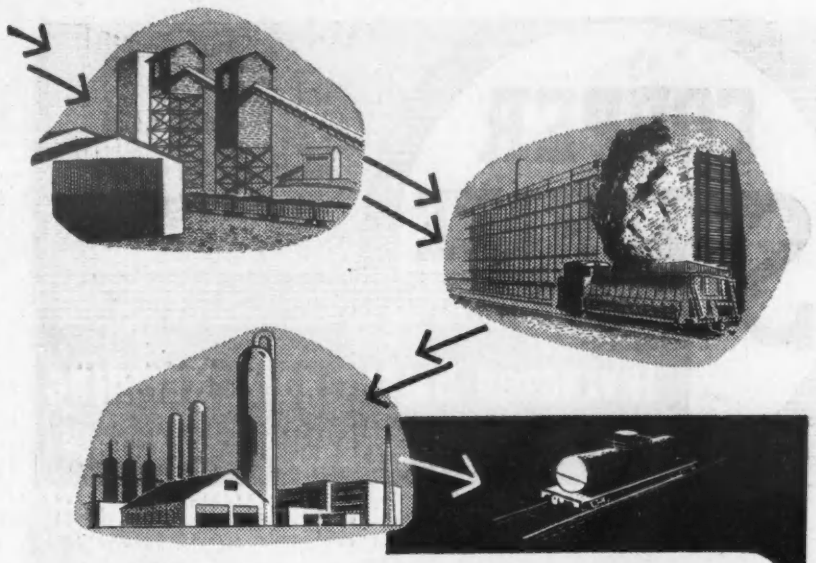

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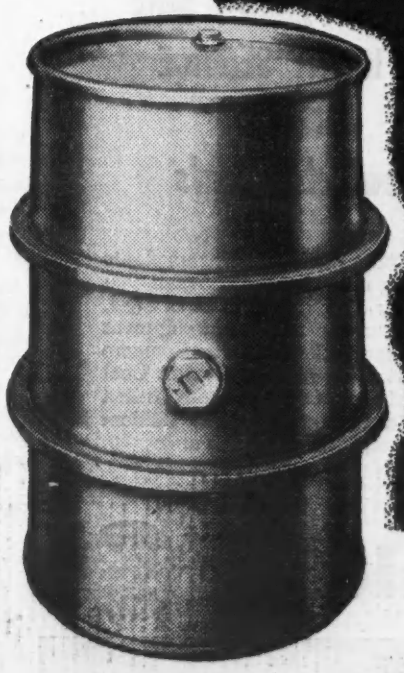

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Industrial Oils Marketing Called Notable in Argentina

The outstanding developments in the Argentine fats and oils situation in recent months have been the unusual activity in the marketing of industrial oils and the shortage of edible oils, report Robert C. Tetro, agricultural attache, and William Rodman, assistant agricultural attache, American Embassy, Buenos Aires.

The burdensome supply of linseed oil in the hands of the Argentine Trade Promotion Institute (IAPI) has been reduced from an estimated 360,000 short tons at the beginning of the season to less than 55,000 tons at the present time. Shipments of both linseed oil and tung oil have been heavier this year than last. On the other hand, Argentina has become a net importer of edible oils primarily because of the poor sunflower seed crop. A part of the import requirements, 16,500 tons, has already been purchased but apparently additional quantities will be needed during the coming year.

No Flaxseed Figures

There are no official estimates of plantings for the 1954-55 flaxseed crop which will begin to come to market within two months. The government has undertaken, particularly in the province of Buenos Aires, a campaign to increase flaxseed plantings through raising the support price from sixty-five to seventy-five pesos per quintal. Owing particularly to this campaign, and also to the unfavorable weather which reduced wheat seedings in some areas, it is likely that there has been an increase in the area sown to flaxseed. Any increase probably would be modest and, therefore, plantings may total from 2,100,000 to 2,200,000 acres. (An earlier unofficial estimate indicated that production might approximate 20,000,000 bushels.)

Official estimates for the 1953-54 season remain at 13,684,000 bushels from 1,806,000 planted acres. However, final figures are expected to be somewhat higher and the oil output from last year's crop will be above 120,000 tons. Thus, total availability of linseed oil for domestic use and export would approximate 360,000 tons owing to the carry-over (January 1, 1954) of 240,000 tons from the previous season. Through barter deals and straight sales, however, IAPI had succeeded by midseason in moving practically all the surplus linseed oil.

Tung Yield 14,300 Tons

No official estimates have been made of the 1954 crop of tung nuts, but until recently the trade had been consistently estimating the oil yield at 14,300 tons. This would indicate a nut crop of 90,000 to 100,000 tons. Persistent rains in recent weeks, however, may have damaged the nuts to the extent that the oil yield may be less. On the basis of the 14,300-ton yield of oil, plus a carryover of 7,700 tons on July 1, 1954, availability this season would total 22,000 tons. Except for September, shipments this season have been unusually large. Estimated shipments in July were 1,338 tons, in August 1,614, and in September 660 tons. Moreover, bookings for October shipment were at 2,646 tons with an additional 1,100 tons still being negotiated for October-November shipment.

Imperial Paper & Color Corp. Names Two Firms Sales Agents

Imperial Paper & Color Corporation, Glens Falls, N. Y., has appointed Polymer Industries, Inc., Springdale, Conn., and Polymer Southern, Inc., Greenville, S. C., to handle sales of Imperial colors to the textile printing, dyeing and finishing industry.

Polymer Industries will cover New England, New York, New Jersey, Pennsylvania, Delaware and Maryland. Polymer Southern will cover Virginia, West Virginia, Tennessee, North Carolina, South Carolina, Georgie, Florida and Alabama.

Resins Data Is Offered by Bakelite

The latest information on properties and applications of Bakelite vinyl butyral resins is compiled in a new technical booklet issued by Bakelite Company, New York, a division of Union Carbide & Carbon Corporation. Graphs and tables based on recent laboratory data are included in the twenty-seven-page booklet. Five basic types of wash primer, or metal conditioner, are described in detail. Copies of this booklet, "Bakelite Vinyl Butyral Resins, Technical Release No. 11," can be obtained from Bakelite at 30 East 42nd street, New York 17.

Dyestuff Development Told

Arnold, Hoffman & Co., Providence, R. I., has announced an improved paste type of "Ahcovat Soluble Green IB." This dyestuff is said to overcome the printing problem present in the color shop due to poor print paste stability and relatively short storage life.

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Agricultural Chemicals

Meals fluctuated last week on a generally soft market. Bonemeal offerings were limited and higher, and menhaden meal showed further strength corresponding with the closing of the fishing season. Sluggish demand brought down prices for dried blood and hoofmeal. Castor pomace market was nominal and strong with no takers at the current high bid.

Ammonium sulfate stocks appeared to be in fairly good balance with supply, and consumers showed encouragement in buying ahead due to extension of present contract prices well into the spring of 1955. Favorable export demand was also noted. Agricultural buying inquiry for anhydrous ammonia was disappointing to some sources, but industrial use held up very well. Feed grade interest in urea held up fairly well at prices unchanged following recent revisions.

The pesticides market was quiet on the domestic market, in accord with the general off-season trend. Increased foreign inquiry for 2,4-D was noted, as more countries showed interest in the possibilities of this material. A fairly good requirement for DDT was expected from the General Services Administration for 1955. Current domestic demand was dull. Business was seasonally good in countries below the equator. Although it was said that parathion and malathion prices would change, there have been as yet no new schedules established.

Price Trends

Advanced

Bonemeal, steamed, $3 per ton.
Fishmeal, menhaden, $1.30 per ton.

Reduced

Blood, dried, 50c. per unit ton.
Hoofmeal, 25c. per ton.

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	Nov. 13, 1953
109.65	109.64	111.09	111.34

(*For Current Prices see page 9*)

Fertilizer Materials

Ammonia, Anhydrous—Consuming demand was fair. While buying inquiry for agricultural use was off, the chemical industry held up the market by coming in for good orders. Prices held without change.

Ammonium Sulfate—Demand was fairly steady for the time of year. Stocks appeared to be in reasonably good balance with buying interest. It was felt that the market situation had shown improvement recently due to extension of present contract prices until May, 1955, encouraging forward buying. Export inquiry also favorably influenced trade.

Preliminary figures for cokeoven ammonium sulfate compiled by the Bureau of Mines show production at 126,997,854 pounds for September, as compared with 128,262,442 pounds for August, and 155,245,900 pounds for September, 1953. Sales of ammonium sulfate for September totaled 91,444,604 pounds, as compared with 83,944,675 pounds for August and 104,252,000 pounds for September, 1953. Stocks at the end of September amounted to 234,780,793 pounds, while at the end of August there were 199,935,203 pounds. Stocks at the end of September, 1953, totaled 247,956,677 pounds.

Production of cokeoven ammonium sulfate for the calendar year to date has been 1,205,477,082 pounds. Sales amounted to 1,269,043,159 pounds.

Bonemeal — The market continued to show strength last week, as offerings were hard to obtain. Consuming demand was active, with material higher at $68 to $70 per ton, f.o.b. works.

Castor Pomace—The market remained nominal at $30 per ton bid. The price continued very strong, as none was offered, or was expected to be offered for the near future. It was felt that prices were due for upward revision.

Dried Blood—Trade situation was weaker, due to general lack of demand. New York market was off, with sales at $7.50 per unit of ammonia, as stockfeed demand lagged. Chicago also displayed some weakness as demand was spotty.

Fishmeal—Menhaden fishing was about at an end for the season. Meal rose to $140 per ton f.o.b. Baltimore area. Trading was featured by slightly improved demand from the feed trade, while fertilizer interest was seasonally off. Production of menhaden meal and scrap, excluding acid scrap, totaled 28,889 tons in August, compared with 33,996 tons for August, 1953.

Hoofmeal—The market sagged to $6.75 per ton, f.o.b. Chicago, due to lack of demand.

Tankage—Buying interest for feed purposes was off, as consuming interest was generally dull. Market was quiet and unchanged at $6.75 per unit of ammonia, f.o.b. New York, and $7.25 per unit of ammonia, Chicago, same basis.

Urea—Fertilizer demand was off, in accord with the time of year. However, it was said that feed grade interest had held up about as well as had been expected. This factor, combined with active inquiry for industrial use, has kept the market firm and unchanged from recent revisions. Domestic urea containing 46 percent nitrogen remained unchanged at $110 to $120 per ton, bags, carlots, f.o.b. works. Forty-five percent material was priced at $127 to $154 per ton, delivered midwest and east. Urea-ammonia liquor was unchanged in price, with A and B grades listed at $128 per ton tankcars, Belle, W. Va.; C grade, $126.50 per ton, same basis, and 37 grade, $155.50 per ton, same basis.

Los Angeles Market

Light trading was reported in the inorganic items prior to the approaching nitrates season. Moderate movements of 16 20 grade ammonium phosphate were reported with about equal quantities of ammonium nitrate trading. Superphosphates moved very slowly following an active season. With exception of domestic fish meals, organics saw little activity with the market soft and further reduction in quotations were noted. Domestic fish meals firmed to $2.20 per unit of protein, f.o.b. San Pedro.

Ruling prices were:—Ammonium nitrate, $86.84 per ton, domestic and Canadian, f.o.b. Los Angeles; ammonium phosphate—$80.14 per ton in bags, 16 20 grade, f.o.b. Los Angeles, $107.64 per ton in bags, 11/48 grade, same basis, both domestic and Canadian; $100.24 per ton, 13 39 grade, domestic, bags, same basis; $110 per ton, 11/51 grade, domestic, bags, same basis, $4 less in bulk.

Ammonium sulfate, $55.93 per ton in bags, Canadian and domestic, f.o.b. Los Angeles, $3 discount in bulk; bloodmeal, $5.75 per unit of ammonia at source; bonemeal, $82 per ton, steamed, domestic, f.o.b. Los Angeles; calcium nitrate, $48 per ton, 15½ percent nitrogen, c.i.f., Los Angeles Harbor; castor pomace, $40 per ton, f.o.b. Los Angeles; fishmeals, $2.20 per unit of protein, domestic, f.o.b. San Pedro, sacks included; $2.20 per unit of protein, firm, Canadian herring meal, f.o.b. Vancouver, Canadian funds; $2.20 per unit, nominal, imported mixed meal, sacked, ex-dock, Los Angeles Harbor.

Sodium nitrate, $52.75 per ton, 100-pound bags, f.o.b. Los Angeles. $47.75 per ton, bulk, same basis; superphosphate, $25.20 per ton in bulk, f.o.b Los Angeles, $4 extra for bags; ammoniated, $31 per ton in bulk, 3/16 grade, f.o.b. Los Angeles $4 additional for bags; Triple, $69 per ton in bulk, 47 percent a.p.a., f.o.b. Los Angeles; $73 per ton in bags; tankage, wet rendered, fertilizer grades, $4.75-$5 per unit of ammonia, f.o.b. producing plant.

Pesticides

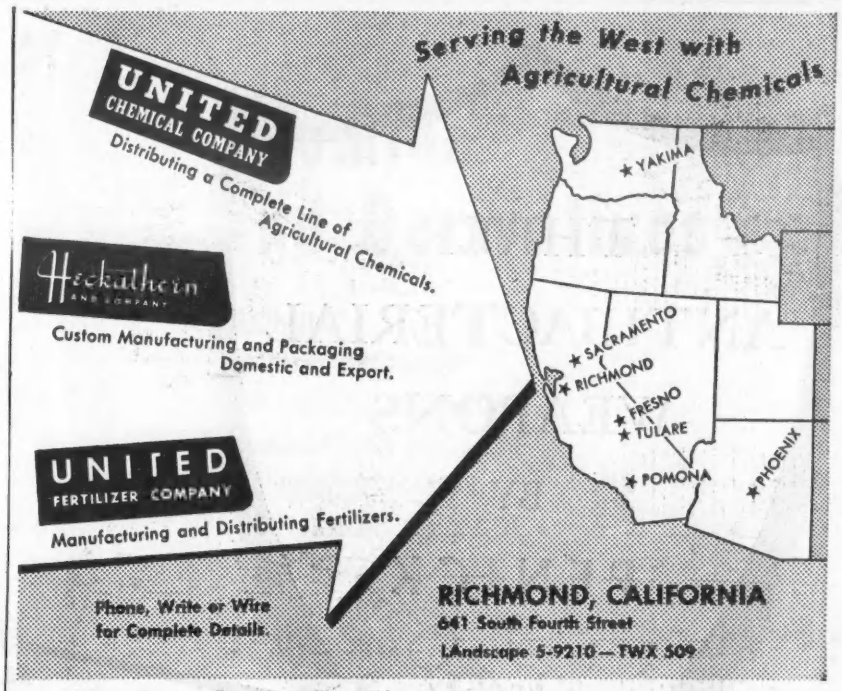
BHC—Prices for technical were unchanged at 0.0075c. to 0.009c. per gamma unit-pound, bags or drums, carlots, works, and l.c.l., 0.15c. per gamma unit-pound, same basis; wet dust, distributors, was priced at 2c. per gamma unit-pound, carlots, delivered, and 2.1c. per gamma unit-pound, less carlots, same basis. There was some export demand noted for cotton dusting abroad, while the domestic market remained quiet in accord with the time of year.

2,4-D—This material continued to experience good export demand, as more and more foreign countries were becoming interested in the various applications of the acid. Domestic inquiry was lacking in keeping with the off season. Prices for 2,4-D were unchanged at 43½c. per pound, barrels, carlots, works or freight equalized, with less carlots listed at 49.4c. per pound, same basis. Butyl ester was listed at 46½c. per pound, drums, carlots, works, and 51½c. to 56½c. per pound, less carlots, same basis. Isopropyl ester was also unchanged, at 46½c. per pound, drums, carlots, works, and 51½c. to 56½c. per pound, less carlots, same basis, as to quantity.

Parathion — Manufacturers were expected to change prices soon, and revisions appeared to be in the mill last week, although nothing as yet had been released for publication.

Bill Tufts, who conducted this column for many years, passed away last week. An obituary story will be found on page 5.

For Late Market Developments, See Page 4



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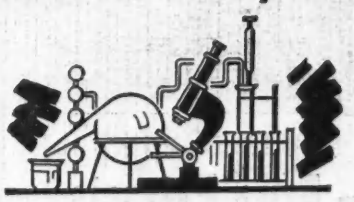

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Drugs, Fine Chemicals, Botanicals

The market was steady last week, with increases of 1 cent and ¾ cent, respectively, on imported tartaric acid and cream of tartar, the only changes reported. Demand for drug items was reported to be undergoing a seasonal gain as manufacturers moved to cover raw material requirements. Prominent among drug items in heavy demand was caffeine, which is used extensively in the manufacture of cold remedies. Consumption has been moving at heavy levels, according to trade sources and prices have been firm. The threat of competition from lower priced imports has dwindled completely over the past year, it was noted. European consumers have been taking all the caffeine produced there leaving next to none for export.

The advance in synthetic camphor prices last week has not had any effect upon demand, according to trade sources. Consumption of synthetic camphor throughout the balance of this quarter was expected to continue at seasonally good levels. Supplies were ample for current inquiry and expected to continue while natural camphor stocks were reported to be very small. The ready availability of synthetic camphor and its comparatively lower price has cut heavily into former outlets of natural camphor. Hence, production at origin has been cut back sharply with a resultant increase in market quotations..

The menthol market was unchanged last week. There has been next to no price activity in this market for several weeks in so far as changes are concerned. Consumption of menthol was noted to be undergoing some seasonal increases but, in general, was routine on the whole. The antibiotics appeared to be in reasonably strong demand as manufacturers began to anticipate their winter requirements. Supplies were adequate for current inquiry and expected to continue ample for the immediate future. Production capacity for antibiotics was said to be sufficiently large to cope with any anticipated increase in demand. Isoniazid, the most recent drug used in the treatment of tuberculosis, was in routine demand, according to its manufacturers. Research in the treatment of this disease was reported to be continuing with an eye to the increased use of isoniazid. Prices were unchanged since last reported although there was said to be some tendency in some quarters.

Price Trends

Advanced

Acid, tartaric, imported, 1c. per lb.
Cream of tartar, imported, ¾c. per lb.

Reduced

None

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	Nov. 13, 1953
66.96	66.96	66.96	72.78

(For Current Prices see page 9)

Caffeine—Demand for this compound was reported to be moving at excellent levels. With the approach of colder weather, manufacturers of cold remedies have stepped up purchases of caffeine for use in the formulation of these compounds. Supplies were ample for current requirements but not overly plentiful, it was said.

The former flood of imports into this country of years past has virtually ceased, as far as could be determined, and was no longer a factor in the overall market picture on caffeine. Prices continue firm.

Camphor—Prices were firm following the previous week's advance in synthetic camphor powder. Consumption has been experiencing a seasonal upturn to some extent and demand over coming months was expected to be generally good. Natural camphor was virtually unobtainable, on spot. The ready availability and the relatively lower prices on synthetic camphor have served to drive many former natural camphor producers out of business. As a result, prices were very firm on available lots. Despite the usurping of many former outlets for natural camphor by synthetic, there were said to be certain uses for which the synthetic material could not be substituted.

Ethyl Ether—Production of USP and technical ethyl ether amounted to 2,813,131 pounds in August, 1954, according to the Tariff Commission compared to 2,530,669 pounds in July.

Demand for USP grade ethyl ether was steady with supplies ample for current requirements. Prices were unchanged.

Isoniazid—Demand for this compound was reported to be at unchanged levels. Consumption was noted to be steady while price was unchanged. The use of isoniazid in the treatment of tuberculosis continues to be the primary source of consumption for this drug according to trade reports and research along this line was expected to continued.

Menthol—Substantial quantities of menthol continue to arrive here, according to trade reports despite the quiet tone in the market. Demand has been fair, on the whole, although there have been instances of buying inspired by cold weather requirements of drug manufacturers. Prices were steady and unchanged from last reports.

Molasses—Prices for feed molasses declined ¼ cent at Gulf points during the week ending November 9, 1954. Cane blackstrap price at New Orleans were 10 cents per gallon, with demand at that point generally moderate. Current demand for feed molasses at other Gulf terminals continued good with future bookings off slightly. A general improvement in demand has been noted at most consuming centers in Texas. East and West coast prices are firm with demand continuing good to moderate. Albany price for blackstrap remains steady at 12 cents per gallon.

Beet molasses prices were reduced $2 per ton at most points in the Rocky Mountain area—from $30 to $28. The delivered price for beet molasses in the Colorado area was reduced from $32 to $31 per ton. Demand for beet molasses was moderate in that area as new crop molasses is now available at all production points.

Deliveries of beet molasses from Menominee, Mich., are now being made by tank truck at a price of $25.25 per ton. Previous deliveries from this point have been only by tankcars. Beet molasses demand at Menominee continues slow and below normal for this season. Supplies of citrus molasses remain very limited at Florida mills with a price of $15 per ton. Increased supplies are expected from new crop production in about two weeks.

Penicillin—Demand for penicillin was reported to be moving at active levels. Supplies were adequate to meet current inquiries and prices were steady. Consumption of penicillin during the cold weather months was expected to be seasonally higher since its use is proportionate to the incidence of illness on the consumer level.

The United States Tariff Commission reported production of penicillin and salts (bulk material only) in August, 1954, as 36,991,370,000,000 International units compared to 36,229,610,000,000 units produced during July.

Streptomycin—Demand for streptomycin was reported to be generally good. Consumption was expected to continue at seasonally heavy levels during the coming cold weather months. Supplies were adequate for current consumer requirements and expected to continue ample in the immediate future.

The United States Tariff Commission reported that production of streptomycin amounted to 4,988,319 grams in August compared to 4,716,427 grams produced in July, 1954.

Tartrates—Prices were firm last week on domestic tartrate schedules. The recent advance in tartrate prices which was necessitated by higher raw material costs has not had any apparent effect upon consumption. Demand for tartaric acid and cream of tartar has been spurred by the approach of the holiday season. Manufacturers were buying for inventory buildup to carry them through the quarter.

Prices on imported tartrates have advanced in recent weeks as replacement costs increase. The acid was 1c. higher on spot and was currently quoted at 36½c.-37c. per pound. Cream of tartar was up ¾c. and was quoted at 25¾c.-26c. The market was currently nominal in view of the absence of substantial stocks on hand. Replacement materials were reported to be afloat.

Botanicals

The spot market continued about unchanged last week. Stocks of most botanical items appeared to be in fairly

For Late Market Developments, See Page 4

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METHYL SALICYLATE
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PHENOBARBITAL
PHENYL ACETAMIDE
POTASSIUM PHENYL ACETATE
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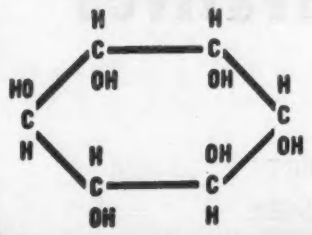

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good shape. According to reports received from collection areas, stocks in warehouses should be sufficient to supply demand if consumption levels remain about the same as last year. Shortages continue in a few important items such as lobelia herb, senega and sarsaparilla roots. Tradings among dealers has tended to spread out available supplies and has lessened the effect of the shortages to some degree.

Stocks of botanicals for future consumption were reportedly slightly larger than last year, particularly those of domestic origin. The labor supply available for collection was higher this past year as a result of large unemployment in the coal mining areas; lay-offs in the textile industry, and less activity in furniture manufacturing. Reduction in factory employment in areas adjacent to botanical collection country increased the number of botanical drug diggers and pickers. What happened in the coal mining districts illustrates what prevailed in considerably lesser degree in other sections.

The surplus of labor in the coal areas caused botanical production in that region to jump sharply this year. Collection of roots and herbs—particularly roots—reached a total so large that dealers cut buying prices to curb collection and, by discouraging further gathering, to avoid the surplus stocks that might become a market depressant.

While the picture in domestic botanicals was good, on the whole, difficulties in securing adequate supplies of imported botanicals continue to harass dealers. Orris root, is an excellent example of this situation. Although this year's crop is in, offerings for shipment have been not as plentiful as expected and spot prices in the market have held at strong levels. Columbo root continues in short supply although demand for this item is, of course, on a smaller scale than is orris root.

Balsam Peru—Balsam peru was reported to be strengthening, pricewise, on spot in response to firming at origin. Current quotations ranged from $1.40 to $1.70 per pound. Demand was said to be picking up in some directions, while supplies were ample.

Ergot — Demand for ergot continued rather quiet, on the whole. Supplies were adequate to meet consumer requirements and expected to continue. Pricewise, the market continued to have a weak tendency. The current price for good quality ergot was about $3 per pound, although there were noted lower prices for reportedly inferior grades.

Licorice Root—Demand for licorice root was reported to be at steady levels. Prices have been stable on this item for many months and there appeared to be little prospects for any significant changes

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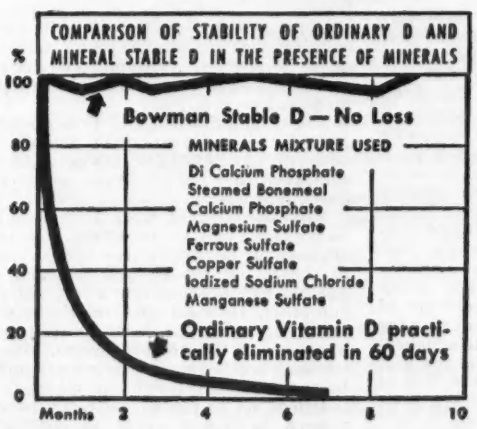

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in the immediate future. Contract commitments were generally made well in advance and supplies were expected to prove ample in coming months, it was said.

Current schedules ranged from 8c. to 12c. on the root with powdered root at 12c. to 17c. and granular extract, 10c. to 15c. per pound.

Quince Seed—Replacement prices on quince seed continued high according to reports from origin. The overall situation in the Middle East has not been conducive to market stability and has interfered, to some degree, with harvesting of the seed. Quince seed was reportedly offered from India and Africa but the quality was said to be inferior that that from the Middle East.

Saffron—The spot market continued quite firm on this item. The primary market at origin was reportedly quite strong with prices for shipment noted to have advanced. There have been few offerings from abroad of late, according to trade observers and the market was expected to continue firm in the immediate future.

Senna Leaves—The market at origin continued firm. The next crop was not reported due until next Spring or Summer and existing stocks were expected to be maintained at steady prices in the interim. Alexandrian whole and half senna leaves were priced at 19c., on spot, while siftings were 2c. lower. Tinnevelly No. 1 grade ranged from 16c. to 18c. while No. 2 was pegged at 13c. to 15c. per pound and No. 3, 11c. to 13c. Powdered leaves were steady at 18c. and pods, 14c.

Wahoo Root Bark—Drought weather conditions in collection areas this past summer have resulted in a severely limited crop, according to several trade sources. Stocks were reported to be virtually non-existent and prices were nominal at $2.50 per pound. The carryover from last year was trifling and it appears that consumers will find it extremely difficult to fill their requirements this year.

White Pine Bark—Demand for white pine bark was reported to be at seasonally active levels as consumers moved to anticipate fall and winter requirements. This botanical is an essential ingredient in the manufacture of cough remedies, it was pointed out and most of expected demand should materialize during this month, it was said.

Bark collection this past summer was reported to have been generally satisfactory. The decline in factory and mill employment in Southern areas assured a sufficiently large labor supply for botanicals collection. In many settlements in the hinterlands, botanicals were reported to be a cash crop and as such, collections were ample this year on many items.

Powdered Milk Plant Readied For Operation in Venezuela

The new powdered milk plant in Lara, Venezuela, financed in part by the Venezuelan Development Corporation, will be in production in December, according to the Foreign Agricultural Service.

The plant which cost $660,000, of which the corporation supplied $450,000 and farmers and promoters the remainder, has the capacity to powder about 10,000 quarts an hour; it can also process about 9,000 pounds of milk as cheese and almost 6,000 pounds for butter an hour.

Refrigerated steel storage tanks hold up to 16,000 pounds of milk. Farmers are said to be able to supply about 85,000 pounds of milk daily to the plant which will pay $5.35 a hundredweight for milk. The powdered milk produced by the plant is expected to be eligible to importers who must purchase one unit of local powder for each six units imported.

Victor Chemical to Move

Victor Chemical Works will move its general offices on November 19 to 155 North Wacker drive, Chicago. The new telephone number will be DEarborn 2-4010.

Perfumers' Society Meeting Nov. 17 To Hear Address by George Uhe

The next dinner meeting of the American Society of Perfumers has been scheduled for November 17 at 6 p.m. at the Advertising Club, 23 Park avenue, New York. The guest will be George Uhe, president of George Uhe, Inc., New York, who will talk on the subject, "Around the World with Essential Oils."

Testagar Opens Terminal Office

Testagar & Co., Detroit, Mich., has announced that it has opened a terminal office in Dallas, Tex., and is formulating plans for setting up a Pacific coast distribution center in the near future. The new Dallas office and warehouse is located at 710 Second Unit, Santa Fe Building.

FDA Doesn't Seek Control Of Pharmacy, Official Says

The Food and Drug Administration has no desire to control the practice of pharmacy, enrollees at the Wisconsin Pharmacists Institute at the University of Wisconsin were told recently. N. A. Cook, assistant to the commissioner of the Food and Drug Administration, declared that his department's responsibility with pharmacy is contained within two areas.

"Our concern is first to insure that drugs in interstate commerce are properly labeled and have the qualities as claimed. Secondly, we must see that drugs are not diverted into improper channels," he said. More than 150 registrants at the three-day meeting heard Cook speak of the relationship of the pharmacists to the federal drug law. "This law seeks to insure that every drug and cosmetic in the drugstore is safe and suitable for its intended use," he said. "It is thus in the nature of a free insurance policy."

Select Trading Company Relocates

Select Trading Company moves to a new location today at 460 Fourth avenue, New York. The new telephone numbers are MUrray Hill 6-6253-4-5.

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Upjohn Picks Sales Manager For Branch in Los Angeles

Karl B. Zorn has been named sales manager of the Los Angeles branch of Upjohn Company, Kalamazoo, Mich., to succeed Leo B. Austin who is retiring from the post after forty-five years with the company. Mr. Zorn started with Upjohn in 1934 and was assigned a territory in San Diego, Cal. He was made supervisor of a Los Angeles district in 1945, and divisional sales manager of the branch in 1950, the position he held at the time of his promotion.

Mr. Austin started with Upjohn in 1909 as a salesman in South Chicago, Ill. In 1911, shortly after Upjohn's San Francisco branch was established, he was transferred to the west coast and assigned to a territory in the Portland, Ore., area. In 1924 Mr. Austin was made a supervisor in the northern California district and ten years later transferred to the southern California district as supervisor. When the Los Angeles branch was opened in 1947 he was named its first sales manager.

Antibiotic Cut by Pfizer

A 15 percent reduction in the price of "Viocin" anti-tuberculosis antibiotic has been announced by Pfizer Laboratories, a division of Chas. Pfizer & Co., Brooklyn, N. Y. The price drop is effective immediately.

Cleveland Drug Club Meets Thurs.

The Cleveland (Ohio) Drug and Chemical Club will hold its next meeting November 18 in the Harvest Room of the Carter hotel. Paul D. Wurzburger, French consul in Cleveland, will speak on "Franco-American Political Events."

Trade Briefs

E. R. Durrer, president of Givaudan Corporation, New York, has returned from a three-months' European trip.

Smith, Kline & French Laboratories, Philadelphia, Pa., has appointed Dr. James W. Wilson head of the organic chemistry section.

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Fair Trading Concerted Action Appeal Launched

A vigorous appeal for concerted action by all fair-trading interests was launched last week at the American Fair Trade Council's annual meeting in New York by John W. Anderson, AFTC president. He identified, by categories, the enemies of fair trade and pointed out, in each instance, the concepts of self-interest that he said impel each category.

"Perhaps no American institution supporting the motivating incentives that build and sustain our economy—through sacrificial creative and productive efforts in the services of the public—has had a greater assortment of politically, ideologically, and economically unrelated enemies, activated by a greater variety of concepts of their own self-interest, than has the institution of fair trade," Mr. Anderson declared.

He reiterated the council's frequently stated claim, which he said has not been challenged, that "less than 10 percent, in dollar value, of merchandise sold in retail stores in fair-traded merchandise. The enemies of fair trade studiously conceal that fact." He said that this "10 percent fair trade 'tail' is used persistently by predatory price-cutters to 'wag' their 90 percent of dollar sales of products on which they set the retail prices from day to day to satisfy their own desires for profits."

Pharmaceutical Preparations Are Being Sought by China

The Central Trust of China, US aid division, has invited bids for supplying the following pharmaceutical preparations, under FOA financing:—

Fifteen thousand vials of penicillin in oil; 2,000 bottles of sulfadiazine tablets; 1,000 bottles of chloromycetin capsuls; 50,000 vials of procaine penicillin, and 50,000 vials of crystalline penicillin.

The bids will be opened on December 14 and should be sent to the Central Trust of China, 96 Po Ai road, Taipeh, Taiwan. Bids are to be submitted on CTC invitation No. 394, obtainable from Dr. S. W. Kung, Chinese Government Procurement and Services Mission room 1508, 102 Maiden Lane, New York.

Bristol-Myers Forms Unit For International Sales

Bristol-Myers Company, New York, has announced the formation of Bristol-Myers International as a separate functioning organization of Bristol-Myers Company, with William M. Bristol as chairman of the board. The new organization will handle the production and marketing for all Bristol - Myers proprietary products throughout the world, exclusive of the United States and Canada.

President of the division is Edward G. Ladewig. Francis S. Milovich is vice-president, and James Hamilton is treasurer. Donald L. Sanders is secretary.

Snell Names Oil Consultant

Foster D. Snell, Inc., New York, has named J. G. Detwiler consultant on petroleum and Dr. Egon I. Sudy technical representative in Argentina, Brazil, Chile and Uraguay. Mr. Detwiler goes to Snell after forty-two years association with Texas Company, New York, where he held varied positions as a chemist. Dr. Sudy was previously chief chemist of Pharmacia, Inc., and deputy manager of the Paris, France, subsidiary of Richard Hudnut and Warner Brothers.

Trade Briefs

Upjohn Company, Kalamazoo, Mich., has made research grants of $15,000 to the University of Illinois and $3,000 to the University of California.

Eli Lilly & Co. of Brazil, Inc., has begun construction of a new building at its plant in Sao Paulo to provide space for manufacturing and warehouse facilities.

Howard A. Sumner, assistant to the president of Norwich Pharmacal Company, Norwich, N. Y., has completed thirty-five years of service with the company.

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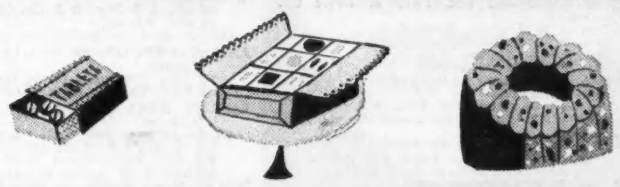

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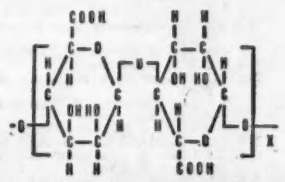

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BEESWAX—23 bgs, R B Willson, Cutuco
21 bgs, Aux Cayes
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PHOSPHATE, DIBASIC—2,204 bgs, National City Bank, Antwerp
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100 bgs, J H Forbes, Rotterdam
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150 bgs, I Grob, Rotterdam
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CARNAUBA WAX—56 bgs, Cornelius Products Co, Bahia
189 bgs, Poons Co, Rio de Janeiro
CASEIN—500 bgs, Guaranty Trust Co, Rouen
333 bgs, Tupman Thurlow, Bordeaux
500 bgs, Borden Co, Bordeaux
900 bgs, Eugenio Lang, Buenos Aires
CASHEW NUTSHELL LIQUID—400 dms, Jacques Missir, Mangalore
190 tons, Irvington Varnish & Insulator Co, Cochin
CASSIA—1,023 bls, Rotterdam
CASTOR BEANS—832 bgs, Baker Castor Oil Co, Port de Paix
OIL—197 tons, Baker Castor Oil Co, Bombay
400 tons, Ralli Bros, Bombay
CELERY SEED—262 bgs, Otto Gerdau, Bombay
176 bgs, A G Dunn, Bombay
175 bgs, C M Van Sillevoldt, Bombay
175 bgs, Decker Mayer Seed Co, Bombay
200 bgs, George Lueders & Co, Bombay
55 bgs, Otto Gerdau, Marseille
CHESTNUT EXTRACT—3,012 bgs, Chase National Bank, Naples
CINNAMON QUILLS—64 bls, Curacao Trading Co, Buenaventura
CITRONELLA OIL—25 dms, United Global Corp, Keelung
10 dms, Garrigues Stewart & Davies, Keelung
CLAY—600 bgs, Continental Ore Corp, Bremen
COALTAR DYES—16 cans, Hensel Bruckmann & Lorbacher, Rotterdam
26 dms, E I Dupont De Nemours & Co, Antwerp
37 bbls, Caldwell & Co, Antwerp
25 cks, Hensel Bruckmann & Lorbacher, Rotterdam
5 dms, Antwerp
2 dms, Rotterdam
COCONUT OIL—420 tons, Lu Do & Lu Ym Corp, Cebu
380 tons, Pacific Vegetable Oil Corp, Manila
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100 dms, Reilly Whiteman Walton Co, St Johns
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214 bgs, Istanbul
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45 cks, Interocean Chemical Minerals Corp, Rotterdam
FENNEL SEED—200 bgs, Louis Rurth, Bombay
200 bgs, Fuerst Bros, Bombay
FISHLIVER OIL—2 dms, Albumina Supply Co, Yokohama
4 dms, Arista Oil Products Co, Yokohama
13 dms, Consumers Import Co, Yokohama
2 dms, R W Strauss, Yokohama
12 dms, Taub Hummel & Schnall, Yokohama
3 dms, Bankers Trust Co, Yokohama
FUEL OIL—105,347 bbls, Asiatic Petroleum Corp, Curacao
101,649 bbls, Paragon Oil Co, Punta Cardon
208,852 bbls, Esso Standard Oil Co, Las Piedras
60,475 bbls, Metropolitan Petroleum Corp, Curacao
163,049 bbls, Metropolitan Petroleum Corp, Punta Cardon
222,000 bbls, Esso Standard Oil Co, Aruba
66,843 bbls, Essu Export Corp, Las Piedras
98,300 bbls, Esso Export Corp, Aruba
GALLNUTS—139 bgs, Balfour Guthrie, Lattakia
GELATIN—300 bgs, Transatlantic Animal By Products Corp, Rotterdam
100 bgs, Royal Bank of Canada, Rotterdam
GERANIUM OIL—2 dms, George Lueders & Co, Marseille
GHATTI GUM—114 bgs, S B Penick & Co, Bombay
23 bgs, Colony Import & Export Corp, Bombay
114 bgs, Paul A Dunkel, Bombay
GINGER—94 bgs, Fuerst & Bros, Rotterdam
GLUE—444 bgs, Transatlantic Animal By Products Corp, Rouen
100 bgs, M Corbett & Co, Havre
45 bgs, M Corbett & Co, Marseille
GLUE, BONE—563 bgs, Transatlantic Animal By Products Corp, Rotterdam
PEARL—441 bgs, Transatlantic Animal By Products Corp, Rotterdam
STOCK—110 bls, A M Goldstein, Cristobal
90 bls, Alpe Co, Havana
GRAPHITE — 1,000 bgs, Asbury Graphite Mills, Hong Kong
1,000 bgs, C Pettinos, Hong Kong
134 bgs, C Pettinos, Colombo
GYPSUM—10,027 tons, U S Gypsum Co, Hantsport
1,860 tons, Newark Plaster Co, Walton
7,335 tons, National Gypsum Co, Dingwall
HEMP SEED—177 bgs, L N White & Co, Antwerp
HYDROGEN PEROXIDE—115 cbys, Terra Chemicals Inc, Hamburg
146 dms, Terra Chemicals Inc, Hamburg
p-HYDROXYBENZOIC ACID—10 cks, Naftone Inc, Rotterdam
HYDROXYCYCLOHEXYL HYPROPEROXIDE — 30 cs, J E Fox, Rotterdam
ICTHAMMOL—6 dms, Chas L Huisking & Co, Hamburg
INDIGO—299 dms, Rotterdam
JUNIPER BERRIES—83 bgs, J W Lyon, Leghorn
KARAYA GUM — 553 bgs, Stein Hall & Co, Bombay
37 bgs, Orbis Products Corp, Bombay
257 bgs, Wm M Allison & Co, Bombay
184 bgs, Jacques Wolf & Co, Bombay
67 bgs, Swiss Bank Corp, Bombay
245 bgs, Morningstar Nicol, Bombay
195 bgs, Colony Import & Export Corp, Bombay
KOLA NUTS—100 bgs, D Steengrafe, Kingston
110 bgs, J A Manton Co, Kingston
LACTOSE—500 dms, Nestle Co, Rotterdam
LAUREL LEAVES—169 bls, Chase National Bank, Izmir
71 bls, Levy & Levis Co, Izmir
LAVENDER FLOWERS—63 bgs, Meer Corp, Marseille
60 bls, S B Penick & Co, Marseille
17 bls, Marseille
OIL—8 dms, Roubechez Inc, Marseille
LEMONGRASS OIL—14 dms, Charles Pfizer & Co, Cochin
57 dms, Givaudan Corp, Cochin
20 dms, Volkart Bros, Cochin
LOCUST BEAN FLOUR—400 bgs, Ionian Bank, Piraeus
GUM—51 bgs, Uni Gum Corp, Rotterdam
400 bgs, Paul A Dunkel, Rotterdam
200 bgs, Morningstar Nicol, Piraeus
50 bgs, T M Duche & Sons, Genoa
MACE—11 cs, Kellys America Ltd, Rotterdam
14 cs, Catz American Co, Amsterdam
23 cs, Chemical Bank, Macassar
64 cs, Macassar
MAGNESUIM SULFATE—9 bgs, Interstate Chemical Corp, Bremen
MANDARIN OIL—4 hf cs, George Lueders & Co, Naples
MANGROVE BARK—1,000 bgs, Barkey Importing Co, Tumaco
EXTRACT—2,500 bgs, Saxe Cutch Corp, Singapore
2,000 bgs, Saxe Cutch Corp, Sandakan
MARJORAM—200 bgs, Messina
MENTHOL—30 cs, Export Import Service, Yokohama
150 cs, Schwabach & Co, Santos
100 cs, Wm H Muller, Amsterdam
METHYLNAPHTHALINE—14 dms, George A Abood Co, Rotterdam
6 dms, Henley & Co, Rotterdam
MONOCHLOROACETIC ACID—170 dms, International Selling Corp, Marseille
231 cks, International Selling Corp, Marseille
MONTAN WAX—100 bgs, Strohmeyer & Arpe, Hamburg
800 bgs, Wax & Rosin Products, Bremen
MYROBALANS—1,200 bgs, Hammond & Carpenter, Bombay
1,200 bgs, Barkey Importing Co, Bombay
NAPHTHALENE—300 bgs, Irving Trust Co, Antwerp
465 bgs, Koppers Co, Rotterdam
1,111 bgs, Rotterdam
NAPHTHOL—3 dms, Kaufman & Vinson, Rotterdam
7 dms, Hensel Bruckmann & Lorbacher, Rotterdam
2 dms, C A Haynes, Rotterdam
NICKEL CHLORIDE—100 dms, Hamburg
SULFATE—20 cks, Danwill Co, Rotterdam
289 bgs, Hamburg
NIGER SEED—590 bgs, Corn Exchange Bank, Massawa
170 bgs, Djibouti
OLIVE OIL—50 dms, Chicago Macaroni Co, Algiers
110 dms, Bonoil Packing Co, Algiers
150 dms, First National Boston, Seville
50 dms, National Shawmut Bank Boston, Seville
25 dms, National City Bank, Seville
50 dms, Antonio Correo, Barcelona
122 dms, Colive Packing Co, Algiers
100 dms, Barcelona
ORANGE OIL—4 cs, Felton Chemical Co, Rotterdam
ORRIS ROOT—117 bgs, Prentiss Drug & Chemical Co, Leghorn
PALMAROSA OIL—1 dm, Givaudan Corp, Marseille
PAPAIN—46 cs, Hanover Bank, Colombo
PAPRIKA—100 bgs, H Marmorek & Son, Alicante
125 bgs, Sopac Transport, Alicante
PATCHOULI OIL—10 dms, Polarome Mfg Co, Penang
13 dms, Van Ameringen Haebler, Penang
5 dms, Centflor Mfg Co, Penang
4 dms, Estate Trading Co, Penang
PEATMOSS—1,250 bls, New Amsterdam Import Co, Bremen
500 bls, Atkins & Durbrow, Bremen
4,527 bls, Premier Peatmoss Corp, Bremen
1,000 bls, Lewis International Co, Bremen
1,035 bls, E Dunwoody, Bremen
500 bls, National Distributors, Bremen
875 bls, J E Bernard, Bremen
1,500 bls, Bremen
PEPPER, BLACK—853 bgs, Volkart Bros, Cochin
280 bgs, A G Dunn, Cochin
140 bgs, Ludwig Mueller, Singapore
40 bgs, Fuerst Bros, Cochin
80 bgs, East Asiatic Co, Cochin
200 bgs, R Badenhop Corp, Cochin
287 bgs, Internatio Rotterdam, Oosthaven
880 bgs, M Rothschild & Co, Oosthaven
700 bgs, Polak Trading Co, Singapore
70 bgs, A G Dunn, Singapore
70 bgs, Joensson & Cross, Singapore
70 bgs, Volkart Bros, Singapore
280 bgs, R Badenhop Corp, Singapore
90 bgs, Internatio Rotterdam, Kuching
40 bgs, A C Israel, Cochin
40 bgs, Irving Trust Co, Cochin
370 bgs, Borneo Sumatra Trading Co, Singapore
355 bgs, Internatio Rotterdam, Singapore
39 bgs, Virchand Panachand, Singapore
70 bgs, Singapore
RED—800 bgs, Iskenderun
WHITE—80 bgs, Mutual Spice Co, Pangkal Pinang
82 bgs, Internatio Rotterdam, Pangkal Pinang
80 bgs, Borneo Sumatra Trading Co, Pangkal Pinang
PERU BALSAM—3 dms, Wessel Duval & Co, Corinto
PETROLEUM CRUDE—97,045 bbls, Cities Service Oil Co, Tampico
393,534 bbls, Esso Standard Oil Co, Puerto La Cruz
145,746 bbls, Socony Vacuum Oil Co, Puerto La Cruz
PIMENTO—22 bgs, Van Loan & Co, Kingston
420 bgs, Affiliated Produce Co, Kingston
160 bgs, H Schlicting, Kingston
LEAF OIL—1 dm, Fritzsche Bros, Kingston
1 dm, W J Bush & Co, Kingston
PINENEEDLE OIL—6 bbls, Fritzsche Bros, Hamburg
POLLACKLIVER OIL—50 dms, Scandinavian Oil Co, Yokohama
103 dms, Arista Oil Products Co, Yokohama
215 dms, Wilbur Ellis Co, Yokohama
100 dms, Yokohama
150 dms, Chase National Bank, Yokohama
50 dms, Bankers Trust Co, Yokohama
50 dms, R W Strauss, Yokohama
50 dms, Interocean Chemical & Minerals Corp, Yokohama
POLYVINYL ACETATE RESIN—30 dms, Terra Chemicals Inc, Hamburg
CHLORIDE—19 bgs, Thermo Plastic Process, Antwerp
3,600 bgs, Pantasote Co, Genoa
2,000 bgs, Naples
POPPY SEED—300 bgs, Louis Furth, Rotterdam
300 bgs, Levy & Levis Co, Rotterdam
150 bgs, I Grob, Rotterdam
100 bgs, J H Forbes, Rotterdam
100 bgs, Joel Bieler, Rotterdam
100 bgs, Biddle Purchasing Co, Rotterdam
200 bgs, Rotterdam
PONTIANAK GUM—50 cs, Gillespie Rogers Pyatt, Tandjong Priok
POTASSIUM CYANIDE—77 dms, Aceto Chemical Co, Hamburg
FERROCYANIDE—800 bgs, American Cyanamid Co, Rotterdam
NITRATE—400 bgs, Lo Curto & Funk, Bremen
SILICATE—1,088 bgs, Sylvania Electric Products, Rotterdam
POTATO STARCH—700 bgs, Guaranty Trust Co, Rotterdam
PSYLLIUM SEED—133 bgs, Prentiss Drug & Chemical Co, Bombay
10 bgs, S B Penick & Co, Marseille
40 bgs, Meer Corp, Marseille
HUSKS—494 bgs, T M Duche & Sons, Bombay
QUEBRACHO EXTRACT—635 bgs, Tanimex Corp, Buenos Aires
RAPE SEED—1,900 bgs, Hartz Mountain Products, Rotterdam
320 bgs, Catz American Co, Rotterdam
OIL—400 tons, Rotterdam
RHUBARB ROOT—31 bgs, S B Penick & Co, Bombay
SACCHARIN—11 bbls, Leviant & Co, Rotterdam
SAGE—121 bgs, Beirux
SAGO FLOUR—559 bgs, Stein Hall & Co, Singapore
545 bgs, Chase National Bank, Singapore
SALICYLIC ACID—10 cks, Industrial Chemical & Dye Co, Rotterdam
14 cks, H J Saunders, Rotterdam
SANDALWOOD—250 bgs, George Lueders & Co, Bombay
SARSAPARILLA ROOT—4 bls, S B Penick & Co, Kingston
SERPENTINA ROOT—45 bgs, Meer Corp, Bombay
12 bgs, S B Penick & Co, Bombay
40 bgs, Meer Corp, Cochin
SESAME SEED—150 bgs, Levy & Levis Co, Corinto
HULLED—100 bgs, Levy & Levis Co, Alexandria
200 bgs, C M van Sillevoidt, Alexandria
100 bgs, Hershey Co, Alexandria
250 bgs, Louis Furth, Corinto
SHELLAC—27 bbls, F H Paul & Stein Bros, 50 bgs, Bangkok
Rotterdam
SILICON CARBIDE—150 cks, Weiss Associates, Marseille
SODIUM SULFATE—2,000 bgs, Lo Cutro & Funk, Rotterdam
STYRAX—4 cs, Chas L Huisking & Co, Mayaguez
SWORDFISHLIVER OIL—3 dms, Consumers Import Co, Yokohama
TALC—2,000 bgs, Charles Mathieu, Genoa
TAPIOCA FLOUR—700 bgs, Geismar & Co, Bangkok
3,300 bgs, Vinherma Inc, Itajai
TARTAR—494 bgs, Tartaric Raw Materials, Bordeaux
1,717 bgs, Tartaric Raw Materials, Marseille
THEOBROMINE—22 dms, Rotterdam
THYME LEAVES—75 bls, Wm E Martin, Marseille
UREA—991 bgs, I M Sobin, Antwerp
430 bgs, General Aniline & Film Corp, Rotterdam
2,204 bgs, Antwerp
VALONIA CUPS—374 bgs, Barkey Importing Co, Izmir
EXTRACT—300 bgs, Port Iero
VANILLA BEANS—20 cs, Lo Curto & Funk, Semarang
POWDER—5 cs, R L Oppenheimer, Bordeaux
WHITING—3,600 bgs, Pluess Staufer, Antwerp
YLANG YLANG OIL—1 ck, Van Norden & Co, Marseille
ZINC SULFIDE—800 bgs, C J Osborn, Rotterdam

Baltimore

ALCOHOL, LAURYL—53 dms, American Alcohol Corp, Havre
CAMPHOR OIL—10 dms, Fairfield Chemical Co, Yokohama
DEXTRIN—30 bgs, Le Pages Inc, Rotterdam
PEATMOSS—848 bls, Premier Peatmoss Corp, Bremen
QUEBRACHO EXTRACT—3,150 bgs, International Products Corp, Buenos Aires
963 bgs, Tanimex Corp, Buenos Aires

Boston

TALC—865 bgs, Charles Mathieu, Genoa
TAPIOCA FLOUR—1,200 bgs, Geismar & Co, Itajai

Los Angeles

ARABIC GUM — 50 bgs, Chesarners Merchants Bank, Port Sudan
BONEMEAL—1,102 bgs, Wessel Duval & Co, Hamburg
CARAWAY SEED—200 bgs, R J Spitz Inc, Rotterdam
CINNAMON QUILLS—50 bls, D Hecht & Co, Colombo
COPRA—500 long tons, American Trust Co, Cebu
200 long tons, Balfour Guthrie & Co, Manila
500 long tons, American Trust Co, Siain
500 long tons, American Trust Co, Surigao
CAKE—6,720 bgs, Balfour Guthrie & Co, Manila
5,600 bgs, The Wilbur Ellis Co, Manila
2,240 bgs, Pacific Vegetable Oil Corp, Manila
MEAL—4,000 bgs, Pacific Vegetable Oil Corp, Manila
CUMIN SEED—177 bgs, General Foreign Sales Corp of America, Rotterdam
DEXTRIN—100 bgs, Stein Hall & Co, Rotterdam
MOLASSES—1,160 tons, National Molasses Co, Mazatlan
NUTMEG—40 bgs, Hismoco American Co, Port of Spain
50 bgs, D Hecht & Co, Port of Spain
PEATMOSS—1,100 bls, H V Nootbaar & Co, Bremen
250 bls, John Schumacher Co, Bremen
1,300 bls, H V Nootbaar & Co, Rotterdam
500 bls, Nurserymen's Exchange Co, Bremen
500 bls, East Asiatic Co Inc, Bremen
1,000 bls, Trans-Sphere Trading Co, Bremen
PETROLEUM, CRUDE—40,234 tons, The Texas Co, Sungai Pakning
POLLACK LIVER OIL—100 dms, Public National Bank, Yokohama
SEEDLAC—100 kgs, Calcutta
WHITING—1,600 bgs, Bremen

Philadelphia

FUEL OIL—97,473 bbls, Hess Inc, Punta Cardon
115,102 bbls, Esso Export Corp, Las Piedras
OLIVE OIL—35 dms, Chase National Bank, Seville
PEATMOSS—600 bls, E Dunwoody, Bremen
PETROLEUM, CRUDE—498,833 bbls, Gulf Oil Corp, Mena Al Ahmadi
461,638 bbls, Gulf Oil Corp, Puerto La Cruz
119,646 bbls, Socony Vacuum Oil Co, Covenas
309,727 bbls, Socony Vacuum Oil Co, Mena Al Ahmadi
104,601 bbls, Atlantic Refining Co, Caripito
152,478 bbls, The Texas Co, Sidon
152,829 bbls, The Texas Co, Las Piedras
234,346 bbls, Atlantic Refining Co, Pamatacual
136,261 bbls, Atlantic Refining Co, Amuay Bay
230,928 bbls, Atlantic Refining Co, Puerto La Cruz
TANNING EXTRACT—609 bgs, American Dyewood Co, Marseille

San Francisco

BONEMEAL—74 tons, Consolidated Chemical Industries, Buenos Aires
CALCIUM CHLORIDE—200 dms, Light Work Products, Antwerp
NITRATE—10,000 bgs, Wilson & Geo Meyer & Co, Heroya
CASEIN—136 bgs, Eugenio Lang, Buenos Aires
500 bgs, Buenos Aires
CELERY SEED—132 bgs, East Asiatic Co, Bombay
COCONUT OIL—601 tons, Lu Do & Lu Ym Corp, Cebu
COPRA—750 tons, American Trust Co, Cebu
250 tons, Bank of California, Cebu
500 tons, American Trust Co, Bulan
CAKE—2,000 bgs, Balfour Guthrie, Cebu
KELPMEAL—200 bgs, Norwegian Kelpmeal Importing Co, Oslo
PEATMOSS—250 bls, Trans Sphere Trading Corp, Bremen
PETROLEUM, CRUDE — 236,501 bbls, Tidewater Assoc Oil Co, Sungai Pakning
QUEBRACHO EXTRACT—104 bgs, River Plate Corp, Buenos Aires
1,900 bgs, International Products Corp, Buenos Aires
TUNG OIL—118 tons, Pacific Vegetable Oil Corp, Buenos Aires
UREA—9,300 bgs, Wilson & Geo Meyer & Co, Heroya

ACS Biological Chemistry Unit Headed by Greenstein

Dr. Jesse P. Greenstein, chief of the laboratory of biochemistry of the National Caneer Institute, Bethesda, Md., has been elected chairman of the American Chemical Society's division of biological chemistry for 1955. He succeeds Dr. Esmond E. Snell, professor of chemistry in the University of Texas. The National Cancer Institute is a unit of the Public Health Service's National Institutes of Health.

Dr. Otto Schales, director of chemical research and of the clinical chemistry laboratory of the Alton Ochsner Medical Foundation, New Orleans, was named chairman-elect. Dr. Carl G. Baker of the National Cancer Institute was chosen secretary and Dr. Robert A. Harte of the Sharp & Dohme Division of Merck & Co., Glenolden, Pa., was elected secretary. New members of the executive committee are Dr. Vernon H. Cheldelin of the Oregon State College and Prof. Sidney W. Fox of the Iowa State College.

An authority on body chemical processes as related to cancer, Dr Greenstein is the author of some 200 publications and holds two patents. He was a National Research Council fellow at the Harvard Medical School in 1930-31 and at the Kaiser Wilhelm Institute in 1931-32.

Bids Wanted

Calcium hypochlorite, 1,971 cans, inv. 3J-58600, Nov. 26, 2,200 cans, inv. 3J-58621, Nov. 26, Gen. Services Adm., Business Service Center, Region 2, 250 Hudson St., N. Y. 13, N. Y.

Casein, 200 dms., inv. 64, Nov. 17, Contracting Officer, Camp Detrick, Frederick, Md.

Insecticide, 10,400 aerosol bombs, inv. 3J-58620, Nov. 24, Gen. Services Adm., Business Service Center, Region 2, 250 Hudson St., N. Y. 13, N. Y.

Paint, 22,560 qts. and 50,528 gals. aircraft gloss enamel, inv. 383-280, Dec. 2, 25,152 qts. and 13,776 gals. camouflage lacquer, Topeka AFD, inv. 383-279, Dec. 1, 11,190 gals. spar varnish, phenolic resin, Topeka AFD, inv. 383-283, Dec. 2, 75,250 gals. interior, semi-gloss enamel, East & West Coast, inv. 383-288, Dec. 2, 4,019 gals. synthetic gloss enamel, for metal and wood surfaces, inv. 383-289, Nov. 17, Aviation Supply Office, Navy Dept., 700 Robbins Ave., Phila., Pa.

Sodium hypochlorite, 2,440 gals. 10% chlorine solution, inv. 67, Nov. 30, Contracting Officer, Camp Detrick, Frederick, Md.

Soybeans World Output

—*Continued from page 7*

exceed last year's by about 1,000,000 bushels. Conditions in all areas, with the exception of Hokkaido, are reported favorable. In Indonesia, output reportedly is well above 1953. Harvests in Taiwan and Thailand probably approximated the 1953 level.

Brazil's crop is estimated to be up about 13 percent. Production continues to increase in both Rio Grande do Sul and Sao Paulo, the principal producing states, largely because of increased acreage. Moreover, a further increase in plantings is anticipated in both states. From the 1954 crop about 2,800,000 bushels of beans should be available for crushing or export.

Soybean production in Africa continues to be relatively insignificant. Nigeria, with a production for export of around 150,000 bushels, appears to be the major producer. Smaller quantities are grown in the Union of South Africa and British East Africa.

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DCAT Picks Committee Heads for 1954-55 Term

Claude A. Hanford of Pharmaco, Inc., chairman of the Drug, Chemical and Allied Trades section of the New York Board of Trade, has announced the following list of chairmen to head committees for the 1954-55 term:—

Auditing, Stephen F. Urban, E. R. Squibb & Sons, division of Olin Mathieson Chemical Corporation; bulletin, F. M. Schwemmer, Ruthrauff & Ryan, Inc.; coordination, W. Boyd O'Connor, Ayerst Laboratories Division of American Home Products Corporation; finance, J. David Hayden, R. P. Scherer Corporation, and legislative, James G. Flanagan, S. B. Penick & Co.

Luncheon greetings, Harold F. Cummings, Vitamerican Oil Corporation; membership, Ralph A. Clark, J. T. Baker Chemical Company; membership maintenance, William J. Schieffelin, 3rd, Schieffelin & Co.; operation retort committee, Stanley I. Clark, Sterling Drug, Inc.; publicity, William W. Huisking, Chas. L. Huisking & Co.; section activities, S. N. Stokes, Merck & Co.; tariff, Fred G. Singer, E. I. duPont de Nemours & Co.; time and place committee for 1956 annual meeting, Griffin Crafts, J. W. Wilson Glass Company, and trade association activities, Lloyd I. Volckening, The Ivers-Lee Company.

Adenosine Triphosphate Data Given In Schwarz Laboratories Booklet

Schwarz Laboratories, Inc., Mount Vernon, N. Y., has published a bulletin outlining and correlating studies on adenosine triphosphate. The bulletin gives basic data on the substance, including its physical, chemical and biochemical properties, and cites studies in which it has been investigated for its effect on vascular malfunction, arthritis, multiple schlerosis, diabetes and pruritus, among other disorders.

More than fifty references to literature on the substance are given in the booklet to Copies of the bulletin can be obtained by addressing the company at 230 Washington street, Mount Vernon, N. Y., and asking for bulletin 113a.

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Essential Oils, Aromatics, Flavorings

Price changes in the essential oils market last week were predominantly upward. Peppermint oil recovered to some extent from the price decline of two weeks before, advancing 15 cents on the natural, USP oil, and 10 cents, on the redistilled quality. The relatively high price levels attained on this item had temporarily declined in response to consumer resistance.

Pimento leaf oil was 20 cents higher, reflecting higher raw material costs which have become more of a factor as producers move to replenish stocks. Sandalwood oil advanced 50 cents, on spot, in response to higher shipment prices and a sustained consumer demand. Dalmatian sage oil was noted to have declined 75 cents, presumably reflecting earlier declines in raw material costs.

Shortages in essential oils continue to plague consumers. Ocotea cymbarum, camphor, citronella and cedarwood oils remain in short supply with prospects for improvement reported to be very slight, in the near future, at any rate.

In the seeds and spices section, prices were predominantly higher. Guatemalan, decorticated cardamom advanced 15 cents per pound while Indian celery seed was up ½ cent. Zanzibar clove was 1 cent higher in addition to a 4 cent increase in East Indian mace. Spot pimento was higher, advancing 19 cents on the Jamaican quality and 15 cents on Mexican material.

On the decline, Ceylon cinnamon No. 2 was off 2 cents in addition to a ½ cent drop in Moroccan coriander seed. The decline in this item was surprising in view of higher shipment prices from origin but was attributed to poor consumer interest. Sage leaves were lower with Dalmatian quality off 2 cents and Italian leaves, down 1 cent per pound.

Price Trends

Advanced

Cardamom seed, decorticated, Guatemalan, 15c. per lb.
Celery seed, Indian, ½c. per lb.
Clove, Zanzibar, 1c. per lb.
Mace, Siauw #1, 4c. per lb.
West Indian, 10c. per lb.
Nutmeg, East Indian, shrivels, 5c. per lb.
whole, 5c. per lb.
Oil, peppermint, natural, 15c. per lb.
redistilled, 10c. per lb.
Pimento leaf, 20c. per lb.
Sandalwood, 50c. per lb.
Pimento, Jamaica, 19c. per lb.
Mexican, 15c. per lb.

Reduced

Cinnamon, Ceylon, #2, 2c. per lb.
Coriander seed, Moroccan, ½c. per lb.
Oil, sage, Dalmatian, 75c. per lb.
Poppy seed, Dutch, 2c. per lb.
Polish, 1c. per lb.
Sage leaves, Dalmatian, 2c. per lb.
Italian, 1c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Nov. 13, 1953
138.58	138.54	138.40	146.57

(*For Current Prices see page 9*)

Essential Oils

Bergamot—Demand continued to move at fair levels while supplies were reported to be adequate to meet current needs. Prices ranged from $10.90 to $13 per pound.

Camphor—Spot prices continued to firm in face of higher shipping prices quoted at origin. There was next to no chance of any improvement in the supply of camphoraceous oils for some time.

Celery Seed—This item was quiet last week. Current market quotations ranged from $13 to $21 per pound.

Lemon—Prices declined an additional 25c. on spot California lemon oil during the week. It was hoped that the new lower prices would further stimulate consumption of this oil and it was noted that contract deals were not offered at the currently lower prices, presumably in the event that the market may advance, with a rise in consumption.

Lemongrass—The market was unchanged but very firm last week. The absence of Guatemalan oil has resulted in a heavy demand for Indian oil. Indian shippers who have booked orders for shipment August-September-October are having difficulty in covering themselves because producers are holding back in the expectation of obtaining higher prices for their oil. Available supplies are reported to be largely in the hands of speculators, who are asking high prices for their material. As a consequence, several Indian shippers have tried to buy back contracts rather than to fill them. This tends to magnify the "impression" of a shortage in India.

Guatemala is making efforts to get back into the market, but for the time being only very small amounts may be expected. Plantations have been neglected or abandoned due to unsatisfactory prices and many fields were burned by communistic elements to make them available for distribution under the Agrarian Reform. Reports from the Essential Oil Producers Association of Guatemala indicate that a replanting will have to wait until April-May, 1955, when the new rainy season begins. This means that Guatemala will not be back in the market with sizable quantities until fall or winter, 1955. In the meantime, India will try to hold on to the good prices she is now getting for her lemongrass oil, it was felt.

Ocotea Cymbarum—At least two-thirds of the Brazilian output this year had been reportedly firmly contracted for through December, 1955. If the report is accurate consumers would appear to be in for a continuation of current conditions for some time to come. Prices have been very firm and are expected to remain at high levels, in view of the low available supply of the oil. With no relief expected in the supply of camphoraceous oils, it appeared that the pressure would continue heavy for ocotea cymbarum.

Orange—The market continued weak for spot sale. Supplies were more than adequate to meet consumer requirements and expected to remain ample, barring any unexpected large increase in inquiry.

Palmarosa—Spot prices continued firm, with the current market $8 to $9.50 per pound. Supplies were apparently adequate to handle current consumer needs but were not excessive.

Peppermint — Spot prices advanced slightly last week, with natural peppermint oil 15c. higher and redistilled oil up 10c. Current prices ranged from $7.75 to $8.65 on the former and from $8.10 to $9.25 on the latter.

Pimento Leaf — Spot prices advanced 20c. per pound on spot and were quoted at $2.55 to $3.10 per pound.

Sage — Dalmatian sage oil declined 75c. per pound from previously quoted levels. Current quotations ranged from $4.75 to $7.25 per pound.

Sandalwood—Spot quotations advanced 50c. per pound in response to higher replacement costs and sustained consumer demand. Current levels ranged from $11.50 to $13 per pound.

Aromatic Chemicals

Citral—Prices remained very firm in view of the tight supply on lemongrass oil and its high price. Prospects for the production of synthetic citral have been heartening to consumers who have been forced to rely on lemongrass oil, a commodity in which supply is subject to many limiting factors. Actual production of synthetic citral remains some time away, however, it was emphasized.

Eugenol—The market was about unchanged from the previous week. Supplies appeared adequate to meet consumer requirements and prices were firm.

Miscellaneous

Cardamom Seed—Prices were firmer on spot on decorticated Guatemalan cardamom last week, advancing 15c. over previously quoted levels. Current quotations were $1.90 on Guatemalan quality and $1.85 per pound on Alleppey. Green cardamom seed was unchanged at $1.85.

Celery Seed—Indian celery seed increased ½c. to 15½c-16c. per pound. French seed was steady at 48c.

Cinnamon—Ceylon No. 2 cinnamon declined 2c. per pound last week while "OOOO" quality remained nominal, spot

Imports Detained by FDA

(This report now appears bi-weekly.)

Week Ended November 5

New York

Black pepper (61 lots), 5,118 bags moldy.
Chamomile flowers, 20 bales: filthy.
Celery seed, 60 bags: moldy.
Cassia, 81 bales filthy.
Coriander (5 lots), 1,108 bags: filthy.
Gelatine (2 lots), 101 barrels: water damaged.
Laurel leaves (2 lots), 84 bales: excessive stems; filthy.
Mace (8 lots), 81 cases: filthy.
Nutmegs (18 lots), 1,272 bags: filthy.
Rauwolfia (2 lots), 166 bags: canescens.
Senna leaves, 50 bales: filthy.
Sesame seed, 134 bags: filthy.

For Late Market Developments, See Page 4

stocks having been exhausted some time ago.

Clove—Zanzibar clove advanced 1c. per pound last week and was quoted at 68c. to 69c. per pound. Madagascar clove was steady at 59c.-60c.

Coriander Seed—Spot prices declined ½c. per pound on Moroccan coriander seed last week reflecting the sluggishness in consumer demand. Origin prices, however, were higher with asking prices quoted at 9½c. without guarantee of passing FDA inspection. Allowing 1¾c. to 2c. for reconditioning costs and other expenses involved, brings the dealers' price for replacement material to approximately 1c. higher than current spot prices, it was said.

Roumanian coriander seed was also easier, declining ½c. to 8c.-8½c. per pound.

Mace—Spot prices advanced 4c. on Siauw No. 1 quality mace and was currently at $1.35 per pound for limited lots on hand. West Indian mace advanced 10c. per pound over the week and was quoted at $1.40.

Nutmeg—East Indian grades have been getting more difficult to get since shipment offerings from sources have been few and far between. The spot market reflected this situation last week with the first price advance in some months. Quotations were up 5c. per pound on both the whole and shrivels which were quoted at 45c. West Indian nutmeg prices held unchanged, on spot, but a price hike on this quality was likely in view of the dwindling of stocks on hand.

Paprika—Spot prices continued steady last week. Roumanian paprika was currently quoted at 31c. to 33c. per pound while Spanish quality was firm at 37c.-40c. Yugoslavian paprika was quoted at 38c.

Reports from Spain state that electric power restrictions only permit grinding once a week. This has caused newcrop shipments to come out a good deal more slowly than in previous years. Prices remain unchanged and qualities are considerably higher than shipped in previous years. Out of a total of 1,400 bags on the first two arrivals of the 1954 crop, 1,200 were Royal and Alpha.

Pepper—The spot market has recovered its previous week's losses to some extent by the middle of last week. Black Malabar pepper advanced 8c. to 55c. per pound while white pepper was 4c. higher at 66c.

Shipments from India continue very light. Some interest to sell newcrop Malabar Pepper has lowered the price of January/March shipment slightly. However, India as a whole has maintained a pretty steady market and there is no widespread interest to discount prices to force sales of newcrop positions.

While prosperity in spot prices doesn't seem to be imminent, there are a number of factors which should not be overlooked. Late in November there may be labor trouble on the docks if contract negotiations are not completed. Towards the end of this month the effect of a steady decline in shipments from India may become apparent. A resurgence of confidence among the dealers in New York would follow any indication that the consignments being held for foreign account are being narrowed down. One additional factor to consider is that prices have declined to a point where even a small decline represents a significant percentage of the price of the articles.

In red pepper, the severe drought in Carolina this year has resulted in a very small yield. Deliveries against crop contracts will have to be prorated. This should divert a larger share of the consuming interest into imported grades it was said. The cheapest of these are newcrop Turkish stemless Chillies which are offered at attractive prices. Newcrop Hontakas should also share in this demand. The price stability of Hontakas over the past sixty days would indicate that they are about as low as they will be this year. Hot grades of Chillies are scarce but there are a few Nigerian Capsicums and a few Gondars available. There is only an odd lot or two of Mombasses.

Pimento—Spot prices advanced sharply last week in a turnabout to the recent decline in pimento prices. Jamaica quality was 19c. higher, at 85c. while Mexican pimento was up 15c., at 75c.

Poppy Seed—Dutch poppy seed declined 2c. to 33c. while Polish seed was off 1c., to 32c. Argentine and Turkish qualities were unchanged at 30c.-31c. per pound.

Sage Leaves—Dalmatian sage leaves declined 2c., on spot, and were quoted at 40c. while Italian sage leaves was down 1c., at 14c.

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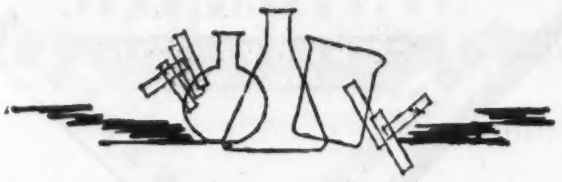

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For the Bookshelf

FIFTY-FIVE COLORFUL YEARS. By Ernest T. Trigg. Cloth; 307 pages, 5½ x 8 inches. Stonington, Conn.: The Pequot Press. $5.

Published under the sponsorship of the Ernest T. Trigg Foundation, this book, essentially, is an autobiography of Mr. Trigg, who retired in 1947 after serving continuously as president of the National Paint, Varnish and Lacquer Association from 1933. While it covers the fifty-five year period during which Mr. Trigg was directly and indirectly connected with the paint industry, the work is not a straight personal biography stressing the life and personal accomplishments of the writer. It dove-tails the author's personal experience with an interesting historical record of the progress and development of the paint industry during those years.

Considerable stress is placed on the organization and development of the trade organizations within the paint industry. Naturally, the National Paint, Varnish and Lacquer Association with which Mr. Trigg was so long intimately associated, is the most featured of these trade organizations. But he does not overlook the growth and development of the Federation of Paint and Varnish Production Clubs, which is the technical group in the paint industry. He also discusses the Retail Paint & Wallpaper Distributors of America and the National Paint Salesmen's Association. The book contains pictures of the first presidents of these trade associations.

Mr. Trigg tells an intimate story of the NPVLA through its educational bureau, its scientific section, the development of fair trade practices, its industry advertising and promotion campaigns, the formula labeling problems and the industry's role in the war programs. The latter were fraught with many problems of governmental regulation and regimentation, beginning more pointedly with the NRA, and continuing through the many New Deal alphabetical bureaus, such as OPA.

As a whole, the book is a good industry study, and an excellent example of free enterprise in action, giving a clue to the opportunities and the rewards available to all who are willing to work for them under the American system. It shows what makes American economic life tick, and views the works of the clock from the inside.

Trade Briefs

Upjohn Company, Kalamazoo, Mich., has announced the return of Dr. G. G. Stocking to its veterinary medicine department.

Standard Oil Company of California has appointed S. Z. Natcher resident executive in London, England.

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Protective Coatings Materials

Buying interest for prime pigments was generally good last week, having recovered from the multiple effects of labor disputes and the summer slowdown. Customers were showing good interest in consumption of pigments for coloring textiles. The paint trade kept up good call, particularly for titanium dioxide. Toluidine toners moved well for baked finishes. White lead and zinc pigment consumption was slow in the paint trade, but the rubber industry showed strong demand for zinc oxide.

Heavy competition continued in the alkyd resin market, with some of the larger volume resins under heavy fire due to the large number of producers. Industrial consumption was up, due largely to a revived demand from the automotive industry. The paint trade showed strong demand for polyvinyl acetate emulsion resins. The plywood and furniture industries displayed more activity for the various bonding and adhesive resins than previously.

The plasticizers market was subject to good demand for the most part. There were still scattered reports of shaded prices for large lot shipments of dioctyl and di-iso-octyl phthalates, but most major producers at present stated that they had no intention of lowering prices in the near future. Natural resins continued active, with bleached bonedry, superfine and TN shellac higher, reflecting the strength of the Calcutta market. Argentine casein was weaker, due to lack of consuming demand in this country.

Price Trends

Advanced

Shellac, bleached, bonedry, 2c. per lb.
Superfine, 1c. per lb.
TN, 1c. per lb.

Reduced

Casein, Argentine, 1c. per lb.

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	Nov. 13, 1953
97.06	97.06	97.06	92.84

(*For Current Prices see page 9*)

Prime Pigments

Aluminum Paste, Powder—Prices were unchanged, with demand holding fairly steady. The Bureau of Census reports that 2,065,000 pounds of atomized and grained powder were shipped during September, as compared with 2,320,000 pounds for August. Flaked powder shipments amounted to 310,000 pounds, as compared with 336,000 pounds in August. Shipments of aluminum paste totaled 1,309 000 pounds in September, as compared with 1,678,000 pounds in August.

Cadmium-lithopone Colors — Several manufacturers found that demand had held up well over the past few weeks. Selenium was still in tight supply, owing to heavy government requirements for rectifiers in electronics equipment. However, cadmium sulfoselenide maroons were not critically scarce, and could be obtained by consumers after a short wait. Cadmium colors not containing selenium were in plentiful supply, and available for prompt delivery. Prices held steady and without change.

Carbon Black—Demand from the rubber industry, as well as paint trade inquiry, held fairly steady last week at unchanged prices. Consumers generally ordered for prompt shipment to cover immediate needs.

The following figures, in thousands of pounds, indicate production, shipments, stocks, and exports of carbon black, as reported by the Bureau of Mines:—

Production

	Furnace	Contact	Total
Sept., 1954	80.114	30.666	110.780
August, 1954	84.257	32.000	116.257
Sept., 1953	93.422	35.295	128.717

Shipments

	Furnace	Contact	Total
Sept., 1954	90.471	38.205	128.676
August, 1954	72.972	33.719	106.691
Sept., 1953	86.997	42.265	129.262

Stocks

	Furnace	Contact	Total
Sept., 1954	155.736	209.247	364.983
August, 1954	166.094	216.786	382.880
Sept., 1953	150.336	236.902	387.238

Exports

	Furnace	Contact	Total
Sept., 1954	*	*	*
August, 1954	18.053	16.861	34.914
Sept., 1953	15.557	24.234	39.791

* Not available.

Chrome Colors—Buying interest was said to have shown improvement ever since the first of September. Prices were steady and unchanged. It was felt that although increases had taken place in local freight rates due to the recent trucking strike in the New York vicinity, there would be little or no effect on future pricing.

Earth Colors—One source reported that consuming interest had improved considerably during the fall. Prices remained without change. Production and supplies were such that consumers could get what they needed without delay.

Iron Blues—There was not much change from the previous market report. Supplies were plentiful at unchanged prices. Consuming interest was good, and limited to prompt shipment for immediate needs in most cases.

Lead Pigments—One source reported very slow demand last week, due to the cumulative effect of recent increases in price brought about by rises in the pig lead market. This situation applied particularly to white leads. Litharge was in a slightly better position, as the battery industry bought to cover peak needs for the battery producing season. Prices of all pigments held without change.

Titanium Dioxide—Producers reported a continuing good market, as consumers came in to cover current needs. Prices were firm and unchanged. Supplies were adequate.

Toluidine Toners—One source reported demand as very good for red toluidine toner, particularly for industrial finishes and baking enamels for farm implements, automobiles, and the like. Prices were steady and unrevised. Stocks were available to fill current requirements.

Tungstated Colors—Demand was said to have revived considerably since the end of summer. Prices were firm and unchanged, based mainly on the steady price of $1.80 per pound for sodium tungstate.

Ultramarine Blues—Demand was steady, with supplies plentiful. Prices were unaltered. It was said that a good deal of interest had been shown recently in the textile industry for using ultramarine pigment as a textile color.

Zinc Pigments—The slab zinc market remained without change last week, resulting in unchanged prices for zinc dust. Oxides were also unchanged, with demand from the rubber industry holding up very well. Supplies were plentiful.

Synthetic Resins

Alkyds—Reports varied as to consumer interest, although most sources agreed that at present there was a large volume demand. Price schedules remained under fire due to continuing competition. Purchases were limited to immediate requirements for the most part, as consumers preferred to work from low inventories.

Maleics—Demand for industrial finishes was well held last week, as the automotive industry swung into large scale production of new model automobiles. Prices were regarded fairly steady, with stocks ample.

Melamines—A pickup in demand from the furniture industry was noted, as adhesive consumption went up slightly. Business in general was judged good. Prices were unchanged, with supplies adequate.

Polyvinyl Acetate—Most sources reported that consumers continued to go hammer and tongs for emulsion paint resins. Demand was said to be exceeding

Protective Coatings Shipments, Output: Sept.

	Factory shipments—Dollars		†Reported production—Gallons	
	September	*August	September	*August
Trade sales products: paint, varnish and lacquer	$72.009.000	$76.542.000	17.845	17.034
Industrial sales products, total	42.925.000	45.042.000	14.923	14.731
Paint and varnish	32.053.000	33.548.000	11.209	10.905
Lacquer	10.862.000	11.494.000	3,714	3.826
Totals	$114.934.000	$121.584.000	†36.332	†35.366

Total sales, January-September—$1.056,631.000

* Revised.
† Detail does not add to total because some respondents reported only total production which was not allocated either to trade or industrial sales products.

For Late Market Developments, See Page 4

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All Grades

GLOSS OILS
Gloss Oil B, Gloss Oil 60, Gloss Oil 65

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ADIPOL® ODY is excellent for use with NITROCELLULOSE, ETHYLCELLULOSE, CELLULOSE ACETOBUTYRATE, POLYSTYRENE, POLYVINYL CHLORIDE and COPOLYMERS and POLYVINYL ACETATE; imparting superior permanent flexibility, low temperature flexibility, heat stability and electrical properties. ADIPOL® ODY is a valuable aid with calendered films and sheetings because of its low volatility and excellent low temperature flexibility.

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1953 levels in some instances. Producers encountered no trouble in furnishing consumers with what they needed.

Urea-formaldehydes—The plywood industry came into the market for sizable quantities of both emulsion and melt resin for bonding adhesive. It was felt that demand had improved considerably over the past few weeks. Prices held steady.

Miscellaneous Materials

Casein—The domestic market remained quiet, as paper coaters generally remained out of the market in expectation of lower prices from the Argentine. Shipment prices ranged from 20c. to 21c. per pound, duty paid.

Glue—The following poundage figures compiled by the Bureau of Census indicate production, shipments and stocks of bone and hide glue.

Production

	August	September
Hide glue, total	3,991,037	4,041,916
Low grade	1,345,887	1,337,839
Medium grade	1,222,866	1,254,636
High grade	835,528	882,777
Extra high grade	586,756	566,664
Bone glue, total	4,207,232	3,834,385
Green	3,349,352	2,996,279
Extracted	857,880	838,106
Glue, total	8,198,269	7,876,301

Shipments

Hide glue, total	4,108,839	4,220,793
Low grade	1,530,751	1,796,510
Medium grade	1,245,340	1,067,347
High grade	844,357	951,245
Extra high grade	488,781	405,691
Bone glue, total	5,683,635	5,627,831
Green	4,632,322	4,263,243
Extracted	1,051,103	1,364,588
Glue, total	9,792,474	9,848,624

Stocks

Hide glue, total	27,479,557	27,597,359
Low grade	11,643,752	11,667,337
Medium grade	6,455,160	6,605,436
High grade	5,978,199	5,939,774
Extra high grade	3,402,446	3,384,812
Bone glue, total	12,013,964	13,490,367
Green	7,026,996	8,310,176
Extracted	4,986,968	5,180,191
Glue, total	39,493,521	41,087,726

Naphthenates—One source reported driers moving at a better clip than previously, as improved demand was displayed by the paint trade. Prices held without change.

Lacquer Materials

Di-iso-octyl Phthalate—There was little or no change in the market picture. Some producers reported that they had heard of shading, while others reported a fairly firm market situation. Prices were unchanged at 30½c. per pound, tankcars, delivered, 32½c. per pound, drums, carlots, same basis, and 33½c. per pound, less carlots, same basis.

Dioctyl Phthalate—Consuming demand was reported very good over the past two weeks. List prices were unchanged at 30½c. per pound, tankcars, delivered, 32½c. per pound, drums, carlots, same basis, and 33½c. per pound, less carlots, same basis.

Tricresyl Phosphate—Demand for gasoline additive material was steady and in large volume last week. Large amounts continued to go to vinyl tile manufacturers as well. Prices for both coaltar and petroleum types were unchanged and steady.

Natural Resins

Copal and dammar gum prices remained generally firm on spot and abroad last

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week. Buying interest was active, and some grades such as Manila CBB and DBB were scarce. Europe and Japan continued to exert strong influence on the primary market, coming in for large quantities of most grades.

Shellac—The Calcutta market remained very strong last week, resulting in some upward adjustments for prices of orange grades on spot in this country. Suppliers increased prices 1c. per pound for both superfine and TN grades, although most sources considered the market entirely nominal. Bleached bonedry was up 2c. per pound, but refined was unchanged.

Fillers and Inerts

Blanc Fixe—There were no price changes last week, as quotations of long standing held without change. Demand held up well. Supplies were available for immediate delivery.

Gypsum—Price schedules held without change. Consuming demand for industrial moulding plaster was steady, as was that for paint filler. Interest in the latter was limited to specialized needs.

Naval Stores

Rosin, Gum

(USDA, per 100 lbs.)

	Fri.	Mon.	Tues.	Wed.	¹Thur.
Drums—					
K		...	$8.08§	...	...
M	$7.98	...	...	...	...
N	8.25	...	...	...	...
WG	8.01§	...	...	8.15	...
WW	...	$8.40	8.40	8.37§	...
Bags—					
G	7.74§	...	...	...	...
K	7.78§	...	7.86§	...	...
M	...	...	7.90	...	...
N	8.15	...	...	...	...

Tankcars (for week ended November 5)—N $7.50, 968*

Sales, USDA				
1,874*	896*	887*	560*	...

New York

(per 100 lbs., c.l., Friday)

B through M $8.85, N $8.90, WG $8.95, WW $9.20

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price	.516§	.5175	.5125	.52	...
Sales	8,000¶†	4,000¶†	20,000¶†	6,000¶†	...

New York, Friday, per gal. 7 lbs., tankcars, 61c., l.c.l. 73c.

*Drums. †Tankcars. ¶Gallons. §Average price.
¹ Unavailable at presstime.

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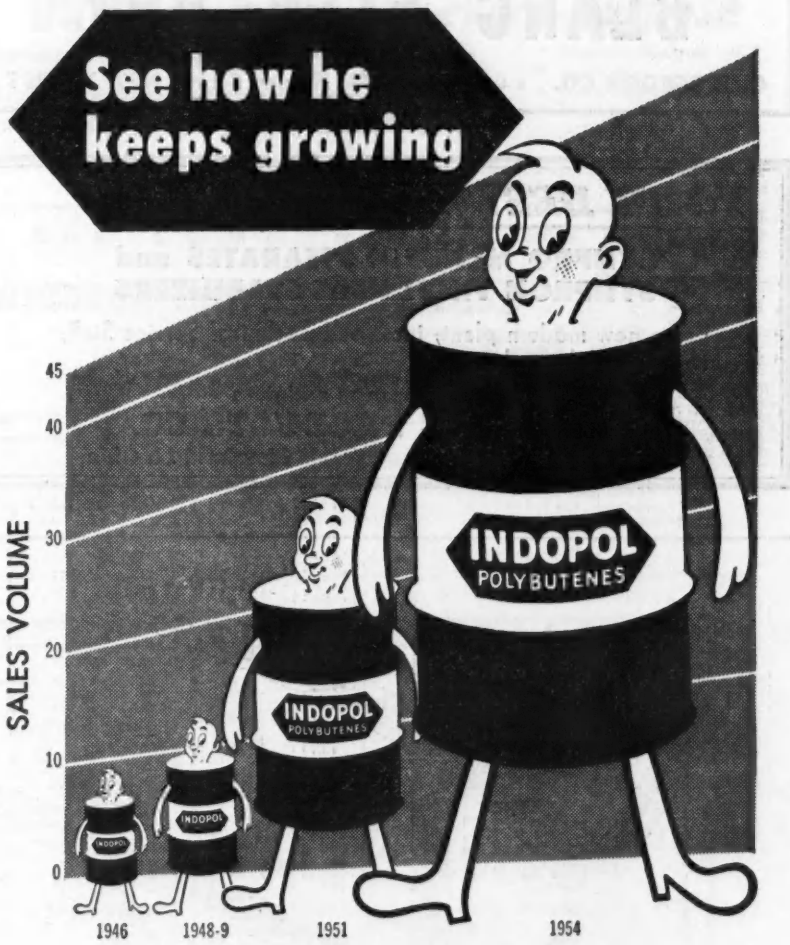

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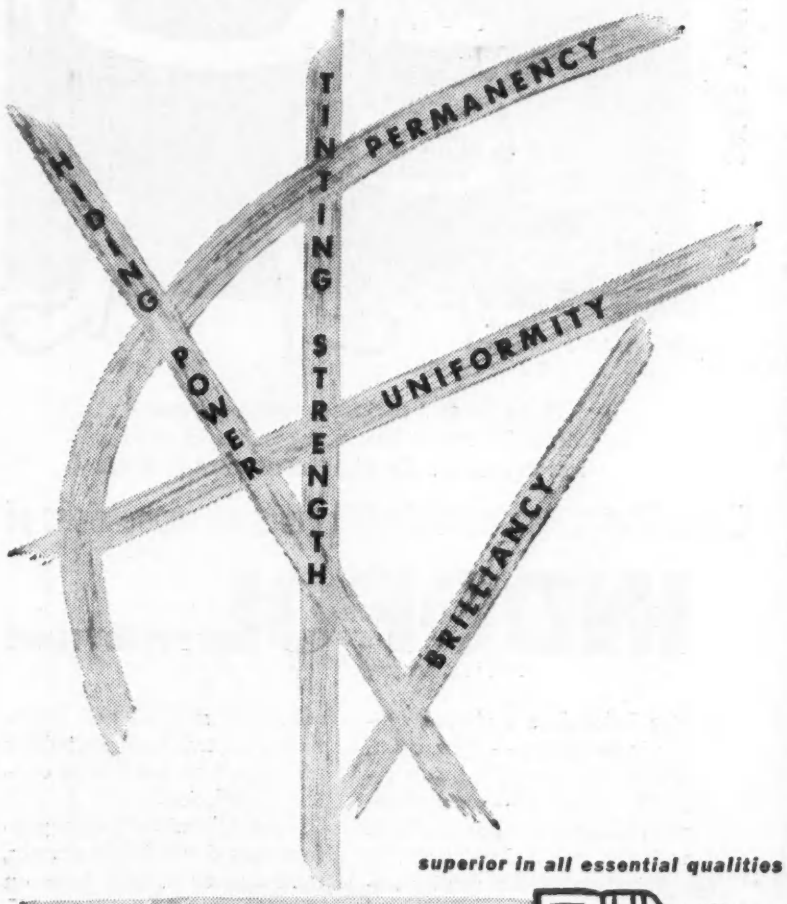

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Plastic Foam Is Developed By General Tire & Rubber

General Tire & Rubber Company, Akron, Ohio, has announced the development of a new plastic foam called, "Moltopren." The new product is cured, and is produced entirely from manufactured materials. It can be produced in much lighter density grades than other types of foam, making it a suitable material for lightweight product application, particularly in furniture, shoe sales, and cushioning, the makers say. "Moltopren" is said to be basically a high-tensile and tear-resident material. It is available in slab and sheet form in a range of colors.

N.Y. Paint Technicians Install Officers for 1955

The New York Paint & Varnish Production Club has installed its officers for the coming year. The new president is John S. Congleton of Mass & Waldstein Company, Newark, N. J. He succeeds W. E. Santoro of the Monroe Sander Corporation, Long Island City, N. Y. Irving Flaumenhaft of Lacquer & Chemical Corporation, Brooklyn, N. Y., will serve as vice-president, while Ernest S. Paterno of Technical Color & Chemical Works, Brooklyn, and Francis J. Rogers of Adco Chemical Company, Newark, will be secretary and treasurer, respectively.

BDSA Post to U. S. Steel Man

Howard J. Mullin has been named director of the iron and steel division of the Business and Defense Services Administration. Mr. Mullin is on loan to BDSA from his position as manager of sales for the St. Louis, Mo., district of the United States Steel Corporation.

Soybean Purchases Okayed

Two authorizations were issued last week to Formosa by the Foreign Operations Administration totaling $3,076,000 for the purchase of soybeans in the United States and possessions. The contracting period runs until February 28 and the delivery period through April 30, 1955.

O'Brien Corporation Acquires Garrett M. Goldberg Paint Co.

O'Brien Corporation, South Bend, Ind., has announced the acquisition of Garrett M. Goldberg Paint Company, San Francisco. It was pointed out that the transaction provides O'Brien with the facilities for the manufacture and distribution of paint to all parts of the United States for the first time in the seventy-nine-year history of the company. William D. Lewis has been appointed general manager.

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Oils, Fats and Waxes

Trading in oils and fats last week was limited and restricted to prompt delivery. Weakness in soybeans, was reflected in edible grades and prices were fractionally lower for soybean, cottonseed, corn and peanut oils.

Lard was stronger and advanced sharply. Oleo stearine also was firmer and was lifted fractionally.

Fatty acids were lifted ½ cent to 1 cent per pound, due to the recent increased cost of basic materials. Oleic, stearic, tallow and cottonseed acids were advanced 1 cent per pound, corn and palm fatty acids, ¾ cents and soybean, ½ cent. Trading was quite active before the higher schedule became effective.

Tallow and greases were easier and all grades dropped fractionally. Export inquiry dwindled, with domestic buying restricted to actual requirements.

Demand for drying oils was quiet. Tung oil was easier and off fractionally reflecting heavy arrivals due shortly from the Argentine. Offerings were more liberal for immediate delivery, with buyers showing little interest. Linseed oil was well held for prompt delivery, while futures were slightly reduced. New business was slow although withdrawals of oil continued active. Refined fish oils were in fair request for immediate needs. Production of crude menhaden was at a standstill and market was a nominal affair.

Lower cost of soybeans weakened meal and market declined $2 per ton. Cottonmeal and linseed meals were quiet, but maintained at former levels. Peanut meal was scarce, with small lots moving for local consumption.

Price Trends

Advanced

Acid, corn, ¾c. per lb.
Cottonseed, 1c. per lb.
Oleic, 1c. per lb.
Palm, ¾c. per lb.
Soybean, ½c. per lb.
Stearic, 1c. per lb.
Tallow, 1c. to 1¼c. per lb.
Lard, cash, ¾c. per lb.
Oleo stearine, ½c. per lb.

Reduced

Greases, ¼c. per lb.
Oil, coconut, ¼c. per lb.
refd., ¼c. per lb.
Corn, crude, ¼c. per lb.
Cottonseed, crude, ¼c. per lb.
refd., ¼c. per lb.
Peanut, crude, ¼c. per lb.
refd., ¼c. per lb.
Soybean, crude, ⅝c. per lb.
refd., ⅝c. per lb.
Tung, ½c. per lb.
Soybean meal, $2 per ton.
Tallow, ¼c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	Nov. 13, 1953
106.95	107.25	104.39	92.16

(*For Current Prices see page 9*)

Vegetable Oils

Castor—Demand for domestic oil was limited to actual needs. Prices were without change. No. 1 Brazilian ranged from 15c. to 15¼c. per pound, tankcars, New York delivery, with good volume of sales thereat.

Coconut—Crude was irregular and nominal at 12c. per pound, tankcars, f.o.b. Pacific coast, prompt shipment. Tankcars were offered at 13¼c. per pound, tankcars, New York, prompt delivery.

Corn—Crude was unsettled, with trading at 13⅝c. per pound, tankcars, f.o.b. mills. Refined oil was lower at 16⅞c. per pound, tankcars, New York basis.

Cottonseed—Bleachable cottonseed oil futures were unsettled last week due to weakness of soybeans and lower crude cottonseed oil. Bearish cotton crop report also was a depressing factor. Selling pressure increased, reflecting lower allied markets, causing the market to decline fractionally. Trading was chiefly speculative. Demand for cash oil was limited. Refined salad oil was lower and quoted at 16¼c. per pound, tankcars, New York prompt delivery.

Crude cottonseed oil was off fractionally. At the close the market was nominal at 12¾c. per pound, tankcars, Southwest; 12½c. Valley, and 12⅛c. Texas.

Cotton crop forecast was higher at 13,200,000 bales as of November 1 by the Department of Agriculture, compared with 12,511,000 bales, October 1. The 1953 production amounted to 16,465,000 bales and 10-year (1943-52) average was 12,448,000 bales.

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended November 12 follow:—

	Sales	High	Low	Close
		Cents per pound		
December	57	14.94	14.74	14.78S
January 1955	1	14.80	14.80	14.70 Nom.
March	118	15.05	14.75	14.81@14.83
May	54	15.03	14.79	14.84@14.86
July	8	14.85	14.70	14.77@14.79

Total sales, 168.

Linseed—This market was quiet and steady for prompt delivery, while December forward positions were slightly lower. Buying interest continued to lag, while withdrawals of oil against contracts continued active. Raw oil was held at 13½c. per pound, tankcars, Minneapolis, spot delivery; 13c., late November and 12½c., December-March, same basis.

Minneapolis.—Some fair-sized linseed oil bookings for early 1955 positions were made last week, crushers reported. Although December-March positions were quoted at 12.5c. a pound, f.o.b., Minneapolis, much of the business was booked around 12c. a pound, trade observers said. A sag in flaxseed costs, combined with stiffer competition, caused the business to develop at the lower levels. The pricing schedule was—13.5c. for spot delivery, tankcars, f.o.b., Minneapolis; 13c. for balance of November; 12.5c. for December-March, and 12.6c. for April-June. Shipments were excellent the past week.

Shipments of linseed oil, in pounds, were as follows:—

	1954-55	1953-54
Past week	11,640,000	5,940,000
Since Sept. 1	82,040,000	71,520,000

Flaxseed—Market unchanged and steady. Trading reported light.

Stocks of 38,300,000 bushels of flaxseed were stored in all positions October 1, according to the Crop Reporting Board. This is 5 percent smaller than stocks a year earlier and also slightly less than average October 1 holdings for the previous 7 years of record. Farm stocks of 24,400,000 bushels on October 1 were the largest in the 8-year series, 15 percent above a year earlier and 44 percent above average. The 13,900,000 bushels in off-farm storages on October 1, are a fourth less than a year earlier and except for October 1, 1951, are the smallest off-farm stocks for the date in the 8 years of record. Included are 3,700,000 bushels at terminals and 10,200,000 bushels at processing plants and in interior mills, elevators and warehouses, as estimated by the Crop Reporting Board.

MINNEAPOLIS.—Offers of flaxseed began to dry up the past week as demand narrowed and crushers cut bids 5c. a bushel to $3.35, delivered Minneapolis. Spot cash market purchases totaled only 15 cars and 600 bushels. To-arrive bookings amounted to 106 cars and 36,500 bushels in trucklots. Actual receipts of flaxseed for all accounts totaled 410 cars as against 694 cars the previous week and 265 cars in the like week last year. Shipments from Minneapolis totaled 109 cars, compared with 53 cars the previous week and 53 cars a year ago. The agriculture department reported that on Oct. 15 there were 2,298,182 bushels of 1954-crop flaxseed under government loan.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts		Shipments	
	1954-55	1953-54	1954-55	1953-54
Past week	719,250	358,750	190,750	91,600
Since Sept. 1	14,554,500	9,640,850	3,003,000	1,792,400

Oiticica—Trading was light and spotty. Refined was maintained at 15¼c. to 15½c. per pound, tankcars, New York, prompt delivery, depending upon seller. Drums were quoted at 16¾c. to 17¼c. per pound, depending upon quantity.

Olive—Firm tone prevailed in the spot market reflecting reports of smaller production this season. Spanish oil was maintained at $2.35 to $2.45 per gallon, drums, spot as to quantity. Tunisian oil ranged from $2.20 to $2.25 per gallon, same basis.

Palm—Market was steady and unchanged. Trading was moderate. Drums were quoted at 12.4c. to 12½c. per pound, spot as to quantity. Tankcars were held at 11.15c. per pound New York, prompt delivery.

Palm Kernel—Denatured was inactive. Tankcars were quoted at 12⅝c. per pound, New York, prompt delivery.

Peanut—This market was unsettled and fractionally lower. Crude oil was sold at 21c. per pound, tankcars, f.o.b. mills. Refined remained nominal at 24¾c. per pound, tankcars,, New York basis.

Rapeseed—Limited stocks on spot were held at 17½c. per pound, tank cars. Trading was reported at 16½c. per pound, tankcars, New York, December forward delivery.

Soybean—Lower beans weakened the oil market. Prices dropped sharply. Trading was limited at the decline. Crude was sold at 11⅞c. per pound, tankcars, Decatur for immediate shipment; 11¾c., late November and early December and 11⅜c. for January-March, same basis. Refined salad

For Late Market Developments, See Page 4

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dropped to 14½c. per pound, tankcars, New York, prompt delivery.

Sales and prices of crude soybean oil futures on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended November 12 follow:—

	Sales	Cents per pound High	Low	Close
December 1955	10	11.60	11.40	11.49@11.59
March	5	11.40	11.26	11.30@11.33
May	33	11.50	11.31	11.31@11.37
July	2	11.23	11.23	11.25@11.30

Total sales, 50 contracts.

Tung—This market was unsettled as a result of increased offerings and slow demand. Heavy arrivals are due shortly from the Argentine. Oil for spot delivery was available at 22c. per pound, tankcars, off ½c. from previous sales. Late November delivery was lower at 21⅜c. and December, 21¼c. Drums were reduced to 23½c. to 24c. per pound, depending upon quantity.

Miscellaneous

Castor Beans—Trading was reported quiet. Shipments were quoted nominally at $105 per ton, f.o.b. Brazilian ports.

Imports of castor beans and castor oil at New York and Philadelphia last week were as follows:—

	Oil	Beans
	Pounds	
Last week	123,450	1,194,000
Previous week	1,000,200	2,440,000
Corresponding week, 1953	714,150	610,000
Total this year	91,994,850	110,236,360
Corresponding period, 1953	99,611,550	106,490,000

Cocoa Butter—Market was firm with the higher bean market. Spot stocks were quoted nominally at 92c. per pound.

Copra—This market was irregular, closing unchanged and steady. Shipments were held at $170 per ton, c.i.f. Pacific coast.

Fats and Greases

Greases—Buying interest slackened last week. Prices declined ¼c. per pound for all grades. Export business was limited. levels. Export business was limited. Yellow grease for export was sold at 7½c. per pound, bulk and 8c., drums f.a.s. Yellow was reduced to 6¾c. per pound, tankcars, delivered; house, 6½c., and brown, 5⅞c. Choice white all hog was quoted at 10c. per pound, tankcars, delivered and not all hog, 8¾c.

Lard—This market was stronger, scoring good advances. Cash lard was quoted at 16½c. per pound, drums, Chicago.

Oleo Oil—Market was quiet and unchanged at 19c. to 19½c. per pound,

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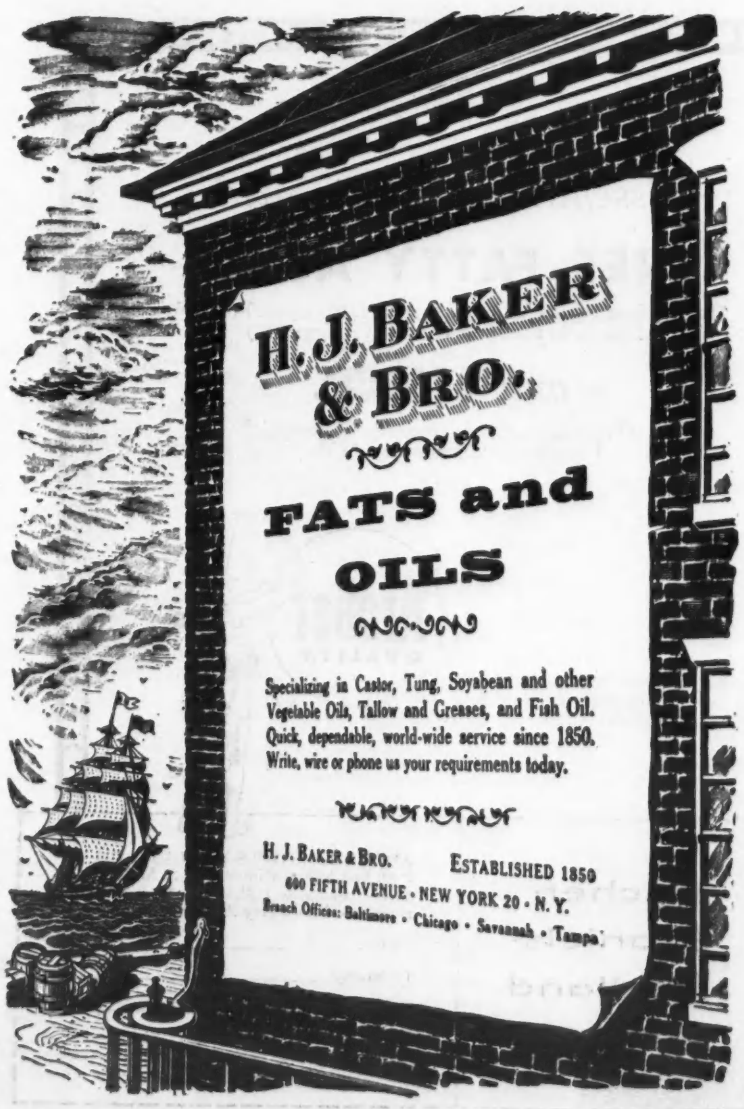
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drums as to quantity. Oleo stearine was firmer and held at 15c. to 15½c. per pound, barrels, same basis.

Tallow—Trading lacked snap. Market was easy. All declined ¼c. per pound. Light sales of bleachable fancy were noted at 8c. per pound, tankcars, delivered for domestic account, while export business was slow. Guaranteed fancy was held at 9c. per pound, drums, f.a.s, November-December and ⅛c. less for late December. Bleachable fancy was quoted at 7¾c. per pound, tankcars, delivered; extra, 7½c.; special, 7¼c.; No. 1, 6¾c. and edible, 14c. per pound, same basis.

Fish Oils

Cod—Market was inactive. Prompt shipments were unchanged at 8⅝c. per pound, drums, exdock. Oil on spot was quoted at 9¼c. to 9½c. per pound, drums, as to quantity.

Refined Fish—Trading was confined to less than carlots for immediate requirements. Prices were without change. Light pressed was offered at 11c. per pound, tankcars, New York basis. With crude menhaden production at a standstill in the east coast and Gulf the market was entirely nominal. Fishing operations were expected to start off Carolinas this week. Tankcars were entirely nominal at 8c. per pound, tankcars, f.o.b. works. Atlantic coast and 8¼c., f.a.s., Gulf ports.

Fatty Acids

Higher cost of basic oils and fats was reflected in fatty acids and quotations of most grades were lifted ½c. to 1¼c. per pound. Trading was active for prompt delivery before the higher schedule became effective. Cottonseed fatty acid, oleic and stearic acids were lifted 1c. per pound; soybean acid, ½c.; corn and palm acids, ¾c. and tallow acid, 1c. to 1¼c., as to grade. Coconut oil acid was reduced ½c. in one quarter and advanced ½c. in another and prices were quoted on a uniform basis.

Cake and Meal

Cottonseed Meal — Trading in cottonseed meal was fairly active, chiefly for limited quantities. Demand locally was good, but demand for shipment out of the south slowed down somewhat due to cheaper soybean meal prices in the midwestern and eastern states. Meal 41 percent was offered at $70 per ton Memphis; $73 Alabama; $76 Georgia; $77 Carolina mills for November-December shipment.

Linseed Meal—Market remained steady. New business improved.

Minneapolis.—Meal continued to move in heavy volume to consumers' hands the past week and new business was of fair volume, crushers reported. Feed mixers took supplies in anticipation of heavier business to come—when cold weather develops. Extracted linseed meal held steady at $65 to $65.50 a ton for prompt shipment. Expeller meal (old process) was quoted around $70 a ton, bulk, in carlots, f.o.b., Minneapolis.

Shipments of linseed meal, in pounds, were as follows:—

	1954-55	1953-54
Past week	17,520,000	11,940,000
Since Sept. 1	148,740,000	128,020,000

Peanut Feed Meal—Last sales were reported at $77.50 per ton f.o.b. Georgia points, Although a few resales of very small sizes have been traded at $80 for immediate shipment. Stocks for all practical purposes are exhausted and the outlook for additional supplies is very slim.

Soybean Meal—Demand was fairly active. Supplies are ample. Meal was lower at $66 per ton, Decatur, for November-December. January forward commanded approximately $2 per ton premium for unrestricted material. Ample supplies of southeastern meal in the Mississippi Valley was offered at $70 per ton, bulk, for November through January shipment. Exporters continued to show interest, particularly for southeastern meal, but no large trades have been reported within the last few days.

Waxes

Beeswax—Moderate volume of business was reported in refined grades for prompt needs. Prices were maintained at former levels. Crude oil remained unchanged. African crude was held at 55c. to 56c. per pound, prompt delivery.

Carnauba — Consumers absorbed fair sized lots for immediate delivery. While trading was spotty, the undertone of the market was quite steady. No. 3 Ceara, crude was unchanged at 70c. to 72c. per pound, spot as to quantity; refined, technical, 73c. to 75c. and pure refined, 80c. to 82c. per pound. Trading in No. 1 yellow Ceara was reported at $1.03 to $1.05 per pound, as to quantity with Parnahyba scarce and held at $1.11 to $1.15 per pound, same basis.

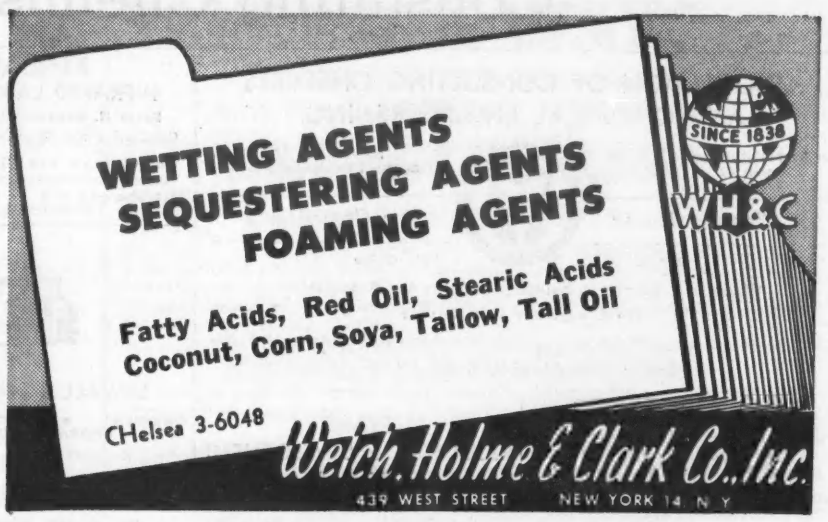
Japan—This market was entirely nominal at 50c. per pound, exwarehouse for delivery during the next two weeks.

Ouricury—Market was steady due to limited quantities on spot. Demand was slow. Refined was unchanged, ranging from 95c. to 99c. per pound, exwarehouse, according to quality.

Witco-Continental Names Carver to Export Post

Leslie D. Carver has been appointed export technical sales manager for Witco Chemical Company, and Continental Carbon Company, both of New York.

Mr. Carver has been technical service director of the rubber chemicals division since joining the Witco-Continental organization in 1948. In this capacity he has represented the organization in the United Kingdom and Europe, traveling also in the United States, Canada, and Mexico. Prior to affiliating with Witco-Continental, Mr. Carver was technical superintendent at the St. Louis, Mo., plant of General Cable Corporation. Earlier he was chief chemist for Dunlop Tire & Rubber Company in Toronto.



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California Spray-Chemical Forms Canadian Subsidiary

California Spray-Chemical Corporation, Richmond, Calif., has announced the formation of a Canadian subsidiary, Ortho Agricultural Chemicals, Ltd., with headquarters in Vancouver, B. C. Construction of a dust mill and warehouse in New Westminter, B. C., has been completed, at which Ortho products will be formulated and distributed under the new company label.

At present, distribution will be limited to British Columbia and Alberta, but the company expects to service the entire Dominion as facilities are developed in other provinces. Green Valley Chemical Company, Ltd., in New Westminster, has been named distributor for the two provinces. R. T. Wilson, secretary of Standard Oil of British Columbia, will act as Canadian executive officer of the new company.

Palm Kernel, Copra Sales In Gold Coast Are Revealed

The Gold Coast Agricultural Produce Marketing Board, Gold Coast, Africa, has announced that purchases in the first quarter of 1954 amounted to 1,610 short tons of palm kernels and 989 short tons of copra. Exports in the same period were 1,575 short tons of palm kernels at an average value of $137.65 per ton and 788 short tons of copra at an average value of $200.45 per short ton. First quarter exports of palm kernels were at a lower rate than prevailed in 1953, when exports for the year totaled 7,840 short tons. Copra exports in the first quarter were at a higher rate than in 1953, when exports totaled 2,194 short tons.

ACS Petroleum Chemistry Division Headed by Hughes

Dr. Everett C. Hughes, chief of the chemical and physical research division of the Standard Oil Company (Ohio), Cleveland, has been elected chairman of the division of petroleum chemistry, the largest division of the American Chemical Society. He will take office on January 1, 1955, succeeding Prof. Frederick D. Rossini, head of the department of chemistry in the Carnegie Institute of Technology.

Dr. Alex G. Oblad, director of chemical research for the Houdry Process Corporation, Marcus Hook, Pa., was named chairman-elect, and Wheeler G. Lovell, associate director of research of the Ethyl Corporation, Detroit, was re-elected secretary-treasurer.

Chosen to represent the division's six geographical areas on the division executive committee were:—J. S. Ball of the Bureau of Mines, Laramie, Wyo.; Philip C. White of the Standard Oil Company (Indiana), Whiting; Dr. Vladimir Haensel of the Union Oil Products Company, Hinsdale, Ill.; Dr. Max Neuhaus, Jefferson Chemical Company, New York; Dr. A. C. Patterson of the Standard Oil Development Company, Linden, N.J., and Dr. Jerry McAfee of the Gulf Research & Development Company, Pittsburgh, Pa.

Griffin Leaves duPont

Philip J. Griffin has retired as manager of the Everett, Mass., finishes plant here after twenty-seven years with E. I. duPont de Nemours & Co., Wilmington, Del. He has been succeeded as plant manager by Karl E. Ackley, who had been assistant manager of the company's Fort Madison, Iowa, finishes plant since 1952.

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1—#28 Devine Vacuum Shelf Dryer, 20—59" x 78" Shelves, complete.
3—3' x 50' Rotary D. H. Dryers or Coolers.
4—Sperry 18" x 18" iron recessed Filter Presses, 18 chambers.
1—50 gal. stainless 347 Calandria Still, agitated, sight glasses, with condenser.
1—50 gal. stainless 347 agitated Tank, M.D.
3—Sperry iron 36x36 recessed Filter Presses, 100 chambers, 2" cake, hydr. closure.
2—Link-Belt Co. ROTARY DRYERS. Roto-Louvre #502-16, Type C, 5'2" dia. 16' long, with #304 S/S contact parts. #207-10, 2'7" dia. x 10' long, carbon steel construction, and all auxiliaries.
1—Day Imperial jacketed Mixer, 75 gal.
3—Anco 4 x 9' Chilling Rolls.
3—#12 Sweetland Pressure FILTERS, 48 leaves on 3" c/c. Leaves are bottom drainage, grooved rim, bronze with AU monel covering. Cap. each 642 sq. ft. filtering area. Excellent condition.
3—Colton 5½ single punch Tablet Machines, M.D.

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Heat Exchanger, S/S, 345 sq. ft.
Oliver Filters, 3'x6' and 3'x2'.
3 Sharples Super Centrifuges.
Hersey Dryer, 18"x16'.
Hersey Dryer, S/S, 4'x30'.
Louisville Dryer, 6'x58'.
Sweetland #12 Filter.
Sparkler Filter, model 18D12.
Ball Mill, chromed, 6'x8', 50 HP.
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Fabricated to Your Spec.
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KETTLES—Aluminum 275 gal. Jacket/Agitator—500/1000 gal.

DRYERS—Rotary 3'x25', 5½x45', 6'x80'—also—Ruggles Coles XA 14 w/cyclone collector system.

SCREENS—Tyler Hummer 3'x5' & 4'x5' single/triple deck—Rotex 20x48 single—Roball 40x120 double.

HAMMER MILLS—Wms. 8x15—24x30 Jeffrey 24x36—S/S—Pulvasizer—A.

PEBBLE MILLS—100 & 235 gal. w/new porcelain lining and motors.

FEEDER—Apron—40"x4' c/c w/3 HP varidrive.

BLOWERS/EXHAUSTERS — 3500/5500/9000/35000 cfm.—New. Sturtevant Size 115—Design 7.

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FORK LIFT TRUCKS—7500# cap. Hyster—New engines. Pneumatic tires.

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LAWLER PLACE, METUCHEN, N. J.
METUCHEN 6-0245

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1—Baker Perkins 100 gal. S.S. jacketed, double arm Vacuum Mixer, 75 HP.
1—Baker Perkins 300 gal. double arm, jacketed Mixer, 100 HP.
1—Baker Perkins 50 gal. double arm, jacketed, vacuum Mixer, 50 HP.
2—Baker Perkins, Readco 100 gal. double arm, jacketed Mixers.
1—Pfaudler 500 gal. glass lined, jacketed, agitated Reactor.
2—Blaw Knox 800 gal. 347 S.S. agitated Reactors, ASME, U-69, 100 PSI.
2—Heat Exchangers 1440 sq. ft. 304 S.S.
3—Unused Karbate Heat Exchangers, 188 sq. ft.
1—Bird 18" x 28" continuous Centrifuge, 316 S.S. NEW.
2—Sharples C-20, C-27 Super-D-Hydrators, 316 S.S.
3—Sharples P-16 Monel and S.S. Pressurkte Super Centrifuges.
1—Bird 48" Suspended Centrifugal, Monel, Perforated Basket.
1—Bird 40" Suspended Centrifugal S.S. Perforated Basket.
1—Bird 40" Suspended Centrifugal, rubber covered, Imperforate Basket.
1—AT&M 36" center slung, rubber covered Centrifugal, Perforated Basket.
1—Sparkler 14D4 Filter, Hastelloy plates.
1—Niagara #110-20 Filter with 12 S.S. leaves.
1—Niagara type Horizontal Filter with 15—48" dia. S.S. leaves, 375 sq. ft.
1—Oliver 8'x6' Rotary Vacuum Filter S.S., Unused.
2—Eimco 8'x8', 4'x5' Rotary Vacuum Filters.
2—#3 Sweetland S.S. Filters with 12—25" dia. leaves, 75 sq. ft.
4—Shriver 30"x30" c.i. Filter Presses, P&F, 30 chambers, washing.
1—Hersey 4'x30' S.S. Hot Air Rotary Dryers.
3—Struthers-Wells 5'x15' nickel Rotary Vac Dryers.
1—Devine 2'x4' Vacuum Drum Dryer, 316 S.S.
1—Stokes #138J Vacuum Shelf Dryer having 9—44"x40" shelves.
1—Devine double door Vacuum Shelf Dryer having 17—59"x78" shelves.
2—Stokes Rotary Vacuum Dryers 3'x15' and 30"x8'.
3—Link Belt Roto-Louvre Dryers 7'5"x20', 3'10"x16' S.S., 2'7"x10' steel.
2—Lee 6'x6' S.S. agitated Tanks.
1—13,000 gal. Horizontal Propane Pressure Tank, ASME, 225# W.P.
1—Eureka #3 Porcelain Jar Mill 14.7 gals.
4—Mikro Pulverizers #2TH, #1SH, #1SI, and Bantam.
2—Hardinge 6'x22", 4½'x16" Conical steel lined Mills.
3—Orville Simpson Rotex Sifters 40"x84", 20"x81", 20"x48" double and triple deck.
3—Nash Vacuum Pumps #H8, #H7, #H6.
1—National 10"x20" two roll Mill with 25 HP motor.
4—Stokes DD52, DD2, D4 and D3 Rotary Tablet Machines.

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1—NEW Devine vac. shelf dryer, 11 shelves, 40x43.
1—Buflovak vac. shelf dryer, 20 shelves, 59x78".
1—Hersey 3'x24' all monel rotary dryer.
1—Buflovak 24"x48" S.S. rotary vac. dryer.
1—Buflovak 24"x36" double drum dryer.
1—Buflovak 32x52".
1—Buflovak 48"x40" flaker.
1—Baker Perkins 500 gal. jacketed mixer.
1—Baker Perkins 100 gal. jacketed vac. mixer.
4—Day double arm mixers, 20, 50, 75, 100 gals.
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2—7500# galvanized ribbon blenders.
1—Patterson 4' conical blender.
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3—Pebble Mills, Contin., 4'6" D x 12' L.
3—Charlotte #50 Colloid Mills.
1—Bird 36 x 50 Solid Bowl Centrifuge.
1—4700 gal. Nickel Clad Tank.
1—2000 gal. Stainless Clad Tank.
1—Sperry 30" C.I. P&F Filter, 46 ch., hydr. closer, vis. cl. disch.
1—Sperry 30" Wood P&F Filter, 30 ch.
2—Sperry 24" C.I. 30 Recessed Plate.
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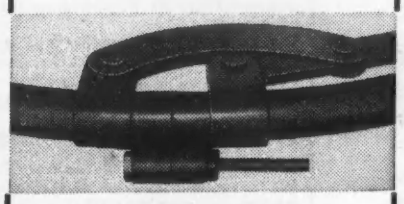

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Stokes 2'x6' Rotary Vac. Dryer.
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Proctor & Schwartz Soap Chip Dryer.
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1—Buffalo Vac. Drum Dryer, 24"x20".

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Gen. Amer. 2'x1' Rotary Vac. Filter.
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3—Impreg. Units 30" & 36" dia. complete.
500 & 1,000 gal. closed Jack. Steel Kettles.
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1—250 gal. Lead lined Kettle.
5—American Tool 300 gal. Churns.
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Stainless, alum., copper. Glass lined, lead lined and steel kettles and tanks.
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Patterson Pebble Mills, 6'x8', 6'x5', 30"x42".
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#1 Raymond Autom. Pulverizer, 20 HP.
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2—#0000 Raymond Mills.
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Ball & Jewell Rotary Cutters Lab & up.
Jeffrey 18"x18" single Roll Crusher.
Buchanan 5"x12" Jaw Crusher.
2—Robinson 18" & 22" BB Attrition Mills.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 9" x32", 12"x30", 16"x40".
1—Monarch 9"x24" Steel Roller Mill, 3 pr. high. Also 7½x20, 4 Roll.
Houchin 18"x30" 4 Roll Granite Stone Mills.
2—U.S. & Premier 1½ H.P. Colloid Mills.

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Baker Perkins double arm Mixers, 100, 50 & 9 gal. Also single arm Mixers.
Read 40 & 80 qt. vert. 4 speed Mixer.
Tyler 3'x5' Vibratory 2 deck Screen.
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Day 1000# Steel Powder Mixer M.D.
10—Dry Powder Mixers, 50 to 3,000#.
3—Day 8, 15 & 40 gal. Pony Mixers.
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1—Howe Mogul barrel and bag packer.
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2—Worth 12"x12"x12" Vac. Pumps.
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Soap Machinery for Toilet, Laundry, etc.
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★ A.T.&M. 30" S.S. Suspended Centrifuge, plow discharge; 20 HP.
★ A. T. & M. 42" Type 316 Stainless Suspended Centrifugal; 30/15HP.
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★ Sharples Super-D-Canter Type 316 SS; Model PN 14.
★ Bird 36" x 50" Centrifugal Filter; Rubber Cov. & S.S.; 40HP.
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★ Stokes Rotary Jacketed Vacuum Dryer; 30" x 10' complete.
★ Devine Vacuum Shelf Dryer No. 12; shelves 40" x 42".
★ Squier Stainless Clad Rotary Atmospheric Dryer; 30" x 20'.
★ Hersey S.S. Rotary Gas Fired Dryer, 5' x 26'.
★ Bagley & Sewell Double Drum Dryer; 28" x 60" with Accessories.
★ C.E. Two Stage S.S. Flash Drying System; 1000 lbs. evap. per hour.
★ Louisville Steam Tube Dryer; 54" x 40' with Cooler 38" x 20'.
★ Rotary Jacketed Vacuum Dryer; 52" x 102"; Dust Collector & access.
★ 2 Chrome Plated Drying Drums; 4' dia. x 4' Face.
★ Mojonnier Stainless Vacuum Pan; 3' x 10' with Calandria Section.
★ Copper 2000 gal. Vacuum Pan; manhole type; coil heated.
★ Zaremba INCONEL Double Effect Evaporator; 60" x 17' and 84" x 15'6".
★ Swenson Quadruple Effect Evaporator: Long Tube Vert. Film Type.
★ Stainless Steel Bubble Cap Column; 16 sec.; 8⅝" x 19'; complete.
★ Aluminum Column; Bubble Cap; 60 plates; 27½" dia. x 36' high.
★ Pfaudler Glass Lined Jacketed Reactors; 150 gal., 400 gal., 1000 gal.
★ Monel 750 gal. Reactor; Jacketed and Agitated; 5' x 5'.
★ Lancaster Stainless Lined Rotary Reactor; 300 PSI; Int. 50" x 17'.
★ Dopp Cast Iron Jacketed and Agitated Kettles; 650 gal.; 61" x 68".
★ Bethlehem Cast Iron Sulphonator; 79" x 74½"; with Coils in Jacket.
★ Orville Simpson Rotex Sifters; 30" x 60"; 60" x 84"; 40" x 120".
★ Robinson Unique Gyro Sifters; 20" x 69"; 20" x 86"; 40" x 60".
★ Stainless Steel 40 cu. ft. Double Ribbon Jacketed Mixer; 32" x 96".
★ Porter Type 316 S.S. 30 cu. ft. Ribbon Mixer.
★ Stainless Steel 63 cu. ft. Ribbon Mixer; 36" x 108".
★ Sprout Waldron 283 cu. ft. Steel Ribbon Mixer; 5' x 10'.
★ Readco 210 gal. Jacketed Heavy Duty Double Ribbon Mixer, 30" x 68".
★ Sprout Waldron Stainless Ribbon Mixer; Continuous Cylinder; 28" x 12'.
★ W. & P. Type Heavy Duty Double Arm Jcktd. Mixer; 100 gal. working.
★ Baker Perkins 200 gal. Jacketed Double Arm Mixer; size 17; BB/V11.
★ Stainless Tumbling Barrel Mixer 5' x 5'; baffled interior; 3 HP.
★ Lancaster Mix Mullers; Type EAG3 and EAG4 with accessories.
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★ Gruendler Supermaster No. 1 Hammer Mill with 15 HP; cap/1000 lbs.
★ American Ring Roll Pulverizer with 50 HP 3/60/220-440 V motor.
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★ International Type X24 Pebble Mill 8' x 8' with 50 HP gearmotor.
★ Patterson Buhrstone Lined Pebble Mills; 5' x 8'; 6' x 6' and 6' x 8'.
★ Hardinge Conical Ball Mill 10' diameter x 48" face.
★ Shriver & Sperry Aluminum Filter Presses; 12", 18", 30", 36".
★ Shriver & Sperry Stainless Filter Presses; 12" and 18".
★ 2 Lab. Size S.S. Sweetland Filters.
★ 2 Enzinger Pressure Filters; 15 leaves in tank 48" x 91".
★ 3 Glass-Lined Jacketed 100 gal. Kettles; good condition.

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1—Patterson Kelly 1500 gal. steel jkt'd Reactor, 75 psi, ASME.

3—Type 316 Stainless Steel Jacketed Kettles, 700 gal. ea.

10—Stainless Steel Jacketed Kettles, 600 gal. ea.

1—Combustion Engineers Type 347 Stainless Steel Jacketed Autoclave, 500 gal., 300 psi. NEW.

5—Koven Stainless Steel Jacketed Kettles, 380 gal. ea.

1—150 gal. Steel Jacketed Reactor, 75 psi.

1—Alloy 100 gal. Monel jkt'd Reactor, w/drive, ASME.

1—Pfaudler Glass Lined Jacketed Vacuum Reactor, Series R, 500 gal. with impeller type agitator and drive.

1—Titusville 100 HP Package Boiler, 125 psi ASME, complete.

5—Aluminum Vertical Storage Tanks, 4000 gal. ea.

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1—Sparkler Model 33D9 Filter, stainless steel type 316, ASME, 60 psi—NEW.

1—Sperry 42" x 42" Aluminum Plate & Frame Filter Press with 35 chambers, 3" frames. NEW.

1—Eppenbach Q8V Stainless Steel Colloid Mill w/3 HP motor.

1—Fletcher 40" Stainless Steel suspended-type Centrifuge with perforated basket.

1—Lummus Steel Bubble Cap Column, 4' x 37' with 35 trays.

1—Colonial Iron Works Monel Bubble Cap Column, 2' x 5', with 5 trays.

1—Type 304 Stainless Steel Bubble Cap Column, 6' x 18' with 7 trays.

1—Badger 4' x 16' copper Column, 25 bubble cap trays.

1—Badger 5' x 23' copper Column, 20 bubble cap trays.

3—Buflovak Vacuum Shelf Dryer, 20 shelves, 42" x 42".

4—Alco Steel Heat Exchanger, 450 sq. ft. ea.

2—Colonial Iron Works Monel Heat Exchangers, 350 sq. ft. and 150 sq. ft.

1—Lummus Type 316 Stainless Steel Heat Exchanger, 360 sq. ft.

1—2' x 3' nickel jkt'd Ball Mill.

6—Simpson Intensive Mixers, #0, #1.

1—Day 150 gal. Stainless Steel Double Sigma Blade Mixer, complete.

1—Baker Perkins Double Arm Sigma Blade Jacketed Mixer with hydraulic tilting device, 100 gal.

2—Day 75 gal. Imperial Model 30 jkt'd double arm sigma blade Mixers.

1—Day 50 gal. stainless steel jkt'd double arm sigma blade Mixer.

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NICKEL CLAD KETTLE, ASME Jack. Agit., 750 Gal.

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COLLOID MILLS—All S.S. Construction, 3", 6", & 10" with Motors.
CONDENSER—ROSS, S.S. tubes, 940 sq. ft.
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MILLS—3 ROLL—KENT, 9"x24", 14"x32" with XP Motors.
MIXERS—D.A. SIGMA. Jktd. STEEL AND S.S. 2½, 50, 60, & 200 Gal.
MIXERS, DRY POWDER—600, 1000 lb.
PROCTOR & SCHWARTZ — 20"x30" Fin Drum Dryer Preformer, Complete.
ROTEX SIFTER—40"x84", 2 SCREEN, 3 HP.
TANKS—Alum. (8) 2500 gal. Hor.; S.S. 304 (3) 1000 gal. hor.

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Pebble Mill: Hardinge 5'x36" continuous.
Mixers: 100 gal. W.&P. jacketed.
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1—Sprout Waldron, 10 cu. ft., jktd., SS Clad MIXER.

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1—Ball & Jewell, #1 Rotary CUTTER.

1—Stokes 243D, Oscillating Granulator, steel.

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5-Carrier Atmospheric Truck Dryers, 8, 16 and 24 trucks; one Baker Perkins 200 gallon mixer, motor driven; two 26" Cage Mills each with two 15 H.P motors; one J. H. Day 1000# dry powder mixer. All set up in plant as last operated. Available immediate shipment. Priced attractively. Wolf-Perry Machinery Co., 293 Frelinghuysen Avenue, Newark, 5, New Jersey.

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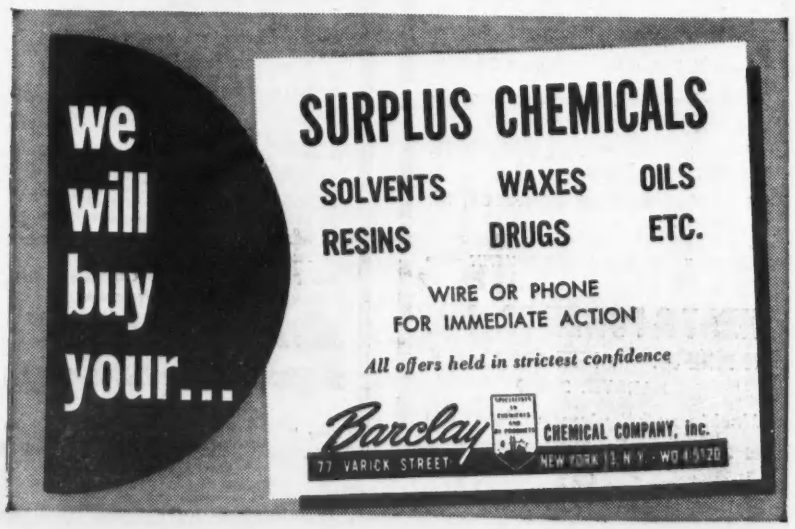

Petrochemicals Seen Minor

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ducers by the Federal Power Commission, the question was asked, "Do you suppose that federal regulation will end with regulation of natural gas only?"

"If natural-gas prices in the field are to be regulated in the same manner as a utility operation, it is just as logical to advocate regulation of any other competitive industry. The production of gas is an integral part of oil operations. Would not the next most logical step for those who would attempt to impose their socialistic theories upon all industry be the regulation of oil? This would have as its ultimate aim the control of the marketing segment of the industry because these advocates always base their appeal on the consumers' interest, even though such regulation actually is directly opposed to the consumers' interests. Would you want your branch of the petroleum business regulated?" Mr. Rippel asked.

Gas An Entering Wedge?

"The fact is, there is no telling how far federal regulation might go by using control of gas production as an entering wedge. It is no more logical to regulate the production of gas than to regulate the producers of coal, the growers of wheat and cotton, the miners of iron ore, the lumbering interests, and others engaged in competitive, unprotected industries. History reveals very clearly that, when socialistic controls are applied to production of a natural resource—whether petroleum, coal, lumber, agriculture or any other commodity—output suffers. For an example, you need only be reminded of the deplorable condition in Russia, where everything is state-controlled. There gasoline costs the equivalent of a dollar a gallon, and the few owners of automobiles get but a few gallons to burn. And look what happened to the output of coal and steel in Great Britain under nationalization of those two industries," Mr. Rippel said.

"One of the principal dangers to American industry, particularly the oil industry, is the tendency toward additional governmental control and additional governmental ownership," declared Robert F. Kennon, Governor of Louisiana.

"The future well-being of America depends upon decentralization of government and arresting the too-prevailing tendency for additional government regulation in every field of business. Since our congressional and executive departments are elected by popular vote, a well-informed electorate and informed citizen population will logically result in legislative and executive action against further harmful centralization of government," the governor said.

States Role Cited

"Officials and leading citizens of the oil producing states realized years ago that there must be cooperation between the states in the prevention of waste in the nation's oil and gas resources. As a consequence, the Interstate Oil Compact was organized for the primary purpose of conserving the nation's precious supply of oil and gas. Because of the existence of the Interstate Oil Compact and opportunity of cooperation between the governors and the other officials of the oil producing states and of the industry as a whole, conservation and control laws have been coordinated and it is generally recognized that the states have successfully met the regulatory and conservation problems that have arisen with the growth of the great oil industry.

"The oil industry and other interested people must see to it that the American public gets the true story of the desirability of continued state control of its natural resources within its own borders, and the damage and confusion that will result unless steps are taken to stop the threatened federal control and encroachment. This could well be part of a general campaign to alert the American people to the danger of over-centralized and top-heavy bureaucratic government.

"In the political field," Mr. Kennon went on, "it has been said that the best answer to unjust criticism is for the criticized agency to continue its efforts to do a good job. Similarly, the best answer that industry can give to unjustified attacks is to continue to provide an adequate supply of good products at reasonable prices and any campaign to keep the public informed s to the desirability and goodness of the oil industry would be ni vain unless that industry continued to conduct its affairs in such a way as to provide good products for a fair price and to conduct its affairs in the public interest as it has done in the past."

FTC States Its Position

—Continued from page 3

rules afford adequate protection both to business and to the consumer. The other is to facilitate the acceptance of consent orders to cease and desist from illegal practices. These time-savers make possible the better use of our small force for the protection of honest business and the public.

Will Look for Compliance

"At the same time, we will be increasingly on guard to assure that willingness to adopt self-imposed rules is borne out by actual compliance with them. Lip service, no matter how pious sounding, is no substitute for performance. I can assure you we are alert to the danger of honeyed words covering up practices injurious to fair competition and to the consuming public. We favor short cuts to fair business practice, but we do not favor short-changing the consumer."

The chairman also described the scope and purpose of the commission's work, emphasizing that it is determined to "go after hard core violations of antitrust laws, as well as to tackle those complaints invested with widest public concern." In this connection he cited the recent investigations of advertising claims in the health insurance field; its investigation of coffee prices, and its current inquiry into the merger movement.

In regard to the latter, Mr. Howrey said that the commission is working in close cooperation with the Department of Justice. He explained that the commission's concern is with "adverse changes in competitive patterns that may result from mergers, with the effects of acquisitions on the character or competition, and with the maintenance of competition in every market to the end that business rivalry may produce better products at lower cost."

Aluminum Allotments Raised

—Continued from page 3

orders in the fourth quarter of 1954. Officials of BDSA's aluminum magnesium division said the increase reflects a change in military requirements. The first quarter figure represents 16 percent of the anticipated supply of domestic and imported primary aluminum for that period. Fourth quarter 1954 set-asides were 15 percent of anticipated supply.

First quarter reserves of copper and copper-base alloy products were estimated by BDSA at 126,000,000 pounds, or about 7,000,000 pounds over the fourth quarter set-aside. The first quarter reserves are to meet the defense related "B" products as well as the defense and AEC orders.

Trade Briefs

Wallace E. Pratt, geologist, author and philosopher, has been named the 1954 recipient of the American Petroleum Institute's Gold Medal For Distinguished Achievement.

Tide Water Associated Oil Company, San Francisco, Calif, has contracted with Mitsubishi Shipbuilding & Engineering Company of Japan for the construction of two oil tankships.

A. N. Smith, senior industrial relations analyist for Shell Oil Company in New York, has been appointed manager of personnel and industrial relations at the Shell Chemical Corporation plant under construction at Norco, La.

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Latin American Development

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prove the investment climate for the flow of private capital.

"Provide technical advice for the development institutions of Latin American countries and for the establishment of such institutions in countries where they are needed and do not exist.

"Encourage direct private investment by helping to obtain loans from private United States financial institutions for new ventures undertaken by either private United States or local capital, or combinations thereof.

"Study ways and means of eliminating existing trade barriers and developing greater export markets.

"Insure maximum consideration for Latin America in the national stockpiling program."

Other recommendations advocated promotion of trade and industrial fairs and conventions; coordination of United States activities with the operations of the World Bank and the International Monetary Fund; encouragement of voluntary technical assistance projects being carried on by private foundations, business corporations and educational and religious groups.

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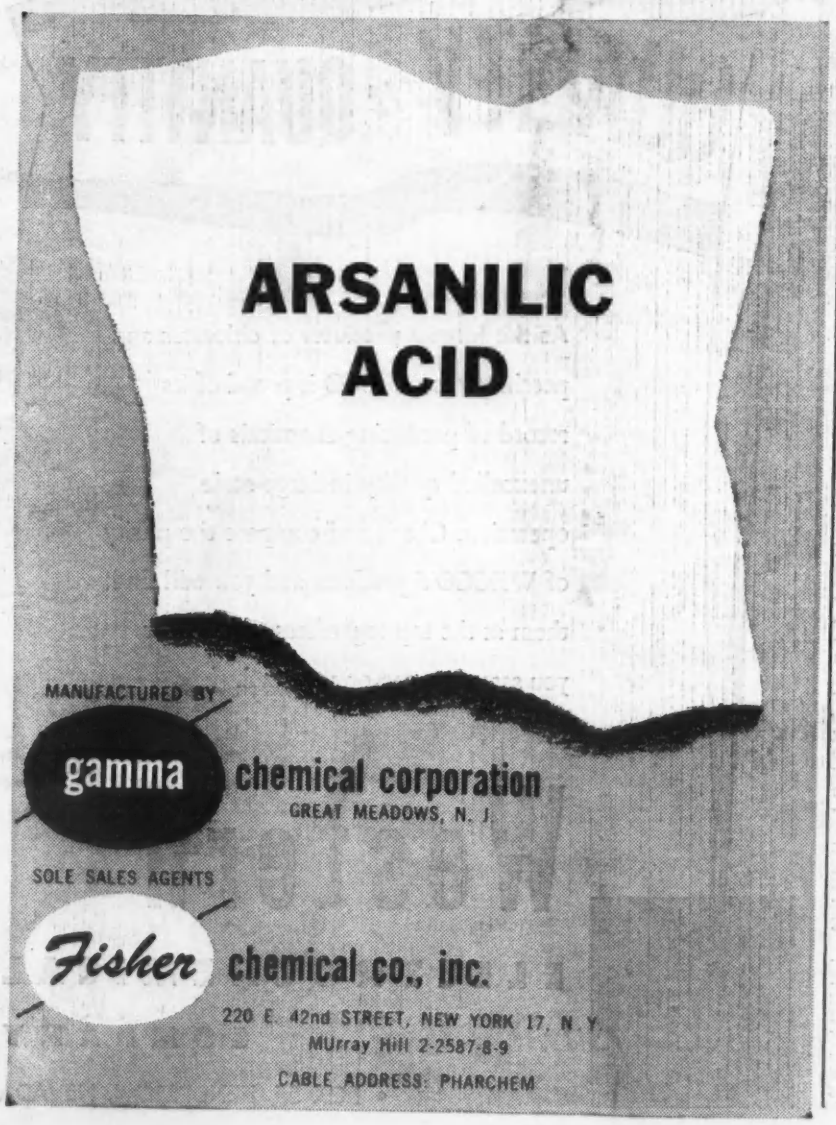

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